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Diffuse Interstellar Bands and the Ultraviolet Extinction Curves: The Missing Link Revisited

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ABSTRACT

A large number of interstellar absorption features at $\sim 4000 \text{ \AA} - 1.8 \mu\text{m}$, known as the “diffuse interstellar bands” (DIBs), remains unidentified. Most recent works relate them to large polycyclic aromatic hydrocarbon (PAH) molecules or ultrasmall carbonaceous grains which are also thought to be responsible for the 2175 \AA extinction bump and/or the far ultraviolet (UV) extinction rise at $\lambda^{-1} > 5.9 \mu\text{m}^{-1}$. Therefore, one might expect some relation between the UV extinction and DIBs. Such a relationship, if established, could put important constraints on the carrier of DIBs. Over the past four decades, whether DIBs are related to the shape of the UV extinction curves has been extensively investigated. However, the results are often inconsistent, partly due to the inconsistencies in characterizing the UV extinction. Here we re-examine the connection between the UV extinction curve and DIBs. We compile the extinction curves and the equivalent widths of 40 DIBs along 97 sightlines. We decompose the extinction curve into three Drude-like functions composed of the visible/near-infrared component, the 2175 \AA bump, and the far-UV extinction at $\lambda^{-1} > 5.9 \mu\text{m}^{-1}$. We argue that the wavelength-integrated far-UV extinction derived from this decomposition technique best measures the strength of the far-UV extinction. No correlation is found between the far-UV extinction and most ($\sim 90\%$) of the DIBs. We have also shown that the color excess $E(1300 - 1700)$, the extinction difference at 1300 \AA and 1700 \AA often used to measure the strength of the far-UV extinction, does not correlate with DIBs. Finally, we confirm the earlier findings of no correlation between the 2175 \AA bump and DIBs or between the 2175 \AA bump and the far-UV extinction.

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1. Introduction

The year of 2016 marks the 82nd anniversary of the first recognition of the interstellar nature of the so-called “diffuse interstellar bands” (DIBs; Merrill et al. 1934). The DIBs are a set of several hundred absorption features spanning the wavelength range of the near ultraviolet (UV) at $\lambda \gtrsim 4000 \text{ \AA}$ (e.g., see York et al. 2006, Gredel et al. 2011, Salama et al. 2011, Bhatt & Cami 2015) to the near infrared (IR) at $\lambda \lesssim 1.8 \mu\text{m}$ (e.g., see Joblin et al. 1990, Geballe et al. 2011, Cox et al. 2014, Zasowski et al. 2015, Hamano et al. 2015), with most of the bands falling in the visible wavelength range. The DIBs were originally discovered in 1919 by Herger (1922) and their interstellar nature was established based on their stationary nature as observed toward spectroscopic binaries. Having full widths at half-maximum (FWHMs) ranging from ~ 0.4 to $\sim 40 \text{ \AA}$, they are conspicuously broader than the sharp absorption lines of simple atomic and diatomic molecules such as CH and CN (see Cox 2011).

Almost every article on DIBs starts by stating that, “... since the discovery that DIBs are interstellar”, as Désert et al. (1995) put it, “the nature of their carriers is still unknown”. Unfortunately, this is still true. Although numerous atomic, molecular, and solid-state carriers have been proposed (see Sarre 2006), so far the vast majority of the DIBs remain unidentified and the origin of the DIBs still remains enigmatic (see Cami & Cox 2014). Very recently, Campbell et al. (2015, 2016) and Walker et al. (2015) measured the gas-phase spectrum of C_{60}^+ and found that the spectral characteristics of gas-phase C_{60}^+ are in agreement with five DIBs at 9348.4, 9365.2, 9427.8, 9577.0, and 9632.1 \AA , confirming the earlier assignment of the 9577 and 9632 \AA DIBs to C_{60}^+ (Foing & Ehrenfreund 1994) based on the absorption spectrum recorded in a neon matrix (Fulara et al. 1993).

There has been long-lasting interest in relating the DIBs to the interstellar extinction curve – the wavelength (λ) dependence of the extinction (A_λ). An extensive exploration and understanding of the possible links between the DIBs and the interstellar extinction curve, particularly the 2175 \AA extinction bump and the far-UV (FUV) rise at $\lambda^{-1} > 5.9 \mu\text{m}^{-1}$, can provide useful information on the origin and composition of the elusive carriers as well as on the physical conditions prevailing in the regions where they are found (Wu 1972, Herbig 1975, Nandy & Thompson 1975, Dorschner et al. 1977, Schmidt 1978, Danks 1980, Wu et al. 1981, Nandy et al. 1982, Witt et al. 1983, Seab & Snow 1984, Krelowski et al. 1987, Benvenuti & Porceddu 1989, Désert et al. 1995, Magier et al. 2001, 2005, Xiang, Li, & Zhong 2011, Clayton 2014).

The interstellar extinction curve is usually expressed as A_λ/A_V or $E(\lambda - V)/E(B - V)$, where A_V is the extinction in the visual (V) band, A_B is the extinction in the blue (B) band, $E(\lambda - V) \equiv A_\lambda - A_V$ is the color excess or reddening between λ and V , and $E(B - V)$ is related to A_V through R_V , the total-to-selective extinction ratio, i.e., $R_V \equiv A_V/E(B - V)$. The Galactic diffuse interstellar medium (ISM) has an average value of $R_V \approx 3.1$. As shown in Figure 1, the Galactic extinction curve plotted against the inverse wavelength λ^{-1} rises almost linearly from the near-IR to the near-UV, with a broad absorption bump at about $\lambda^{-1} \approx 4.6 \mu\text{m}^{-1}$ ($\lambda \approx 2175 \text{ \AA}$) and followed by a steep rise into the FUV at $\lambda^{-1} \approx 10 \mu\text{m}^{-1}$, the shortest wavelength at which the dust extinction has been measured. Depending on the environment along the line of sight, the shape of the extinction curve, particularly, the strength of the 2175 \AA bump and the steepness of the FUV rise, vary with R_V . Low-density regions usually have a rather low value of $R_V < 3.1$, and their extinction curves exhibit a strong 2175 \AA bump and a steep FUV rise at $\lambda^{-1} > 5.9 \mu\text{m}^{-1}$. Lines of sight penetrating into dense clouds, such as the Ophiuchus or Taurus molecular clouds, usually have $4 < R_V < 6$, showing a weak 2175 \AA bump, and a relatively flat FUV rise (see Li et al. 2015).

One would expect some kind of relation between the DIBs and the UV extinction. First, if the DIBs and the 2175 \AA bump or the FUV extinction share a common carrier, one would expect a positive correlation between them. Second, if the carriers of the DIBs and that of the 2175 \AA bump and/or that of the FUV extinction are produced from the same parental dust through the same process (e.g., collisional fragmentation), or the former simply originates from the collisional grinding of the latter, one would expect them to be related. Finally, the DIBs could be related to the UV extinction in an indirect way through the shielding of the UV starlight. The DIB carriers can be destroyed by UV stellar photons. The UV extinction reduces the flux of the UV radiation and therefore shields the DIB carriers from being destroyed. In this case, the DIBs and the FUV extinction should be positively correlated. On the other hand, it is also possible that the creation of the DIB carriers may require UV photons, e.g., the carriers are possibly ions and therefore one needs UV photons to photoionize the carriers (e.g., see Witt 2014). In this case, the DIBs and the UV extinction should be anti-correlated. The UV starlight is important in setting the balance between the formation and destruction of the DIB carriers (Le Page et al. 2003, Ruiterkamp et al. 2005, Cox & Spaans 2006).

Investigating the possible correlations between the DIBs and the UV extinction could potentially provide insights into the nature and origin of the DIB carriers and how they respond to the local physical environments. About two decades ago, Désert, Jenniskens, & Dennefeld (1995) published a paper entitled “Diffuse Interstellar Bands and UV Extinction Curves – The Missing Link”. In recent years, observational, experimental and theoretical advances in the studies of interstellar extinction and DIBs have rapidly lead to renewed

interest in this topic (see Cox 2011, Clayton 2014). There has been considerable progress in the measurements of the interstellar extinction (e.g., see Valencic et al. 2004) and DIBs (see Cami & Cox 2014). There is also an improved understanding of the interstellar extinction models (Weingartner & Draine 2001, Draine & Li 2007, Jones et al. 2013, Wang, Li & Jiang 2015a,b) and of the possible carrier candidates of DIBs (e.g., see Jones 2014, Omont 2016). Making use of these advances, we aim at an extensive revisit of the possible “missing link” between the UV extinction and DIBs. In an earlier paper, we have examined the relation between the 2175 Å bump and DIBs (see Xiang, Li, & Zhong 2011) and found no correlation. In this paper we shall focus on the relation between the FUV extinction and DIBs.

In §2 we briefly summarize the previous studies on the possible relation between the DIBs and the FUV extinction. We propose in §3 the most reasonable ways to characterize the strength of the FUV extinction. In §4 we describe how the sample is selected and how the DIB strength is determined. Also in §4 we analyze the possible correlation between the DIBs and the FUV extinction. The results are discussed in §5 and summarized in §6.

2. DIBs vs. the FUV Extinction: Where Do We Stand?

There have been a number of previous studies on the relation between the FUV extinction and DIBs. Most studies compared the equivalent width (EW) or the central depth (A_c) of a DIB with the FUV color excesses or the shape parameters of the extinction curve derived from the Fitzpatrick & Massa (1990; hereafter FM) decomposition scheme.

Wu (1972) compared the strengths of three DIBs at 4430, 5780, and 5797 Å derived from the high resolution (~ 0.17 Å) echelle spectra of 66 lines of sight with the UV color $E(1200 - V) \equiv A(1200) - A_V$, where $A(1200)$ is the extinction at $\lambda = 1200$ Å measured by the *Orbiting Astronomical Observatory 2* (OAO-2). Wu (1972) found that the DIBs and the FUV extinction rise $E(1200 - V)$ were not correlated.

Schmidt (1978) examined the strength of the 5780 Å DIB and $A(1550)$, the FUV extinction at 1550 Å for 23 lines of sight. It was found that they were correlated, although with considerable intrinsic scatter.

Recognizing that both the DIB strength and the UV extinction may correlate with $E(B - V)$,¹ Witt, Bohlin & Stecher (1983) argued that, to cancel out the common correlation

¹In the ISM, dust and gas are well mixed as indicated by the relatively constant gas-to-extinction ratio ($A_V/N_H \approx 5.3 \times 10^{-22}$ mag cm²; see Bohlin, Savage & Drake 1978). Any two interstellar quantities that depend on either the amount of dust or the amount of gas in the line of sight will tend to correlate with each

with $E(B - V)$, the DIB strength and the UV extinction should be normalized by $E(B - V)$. They compared the 4430 Å DIB and the FUV extinction rise $E(1250 - V)$ of 20 lines of sight, both divided by $E(B - V)$. With a correlation coefficient of $r \approx -0.45$, they found a marginally significant negative correlation.

Seab & Snow (1984) investigated the correlation between the DIBs at 4430, 5780, and 6284 Å and the FUV extinction at 1250 Å and the extinction slope between 1250 Å and 1430 Å of 50 lines of sight. No correlation was found when all quantities were divided by $E(B - V)$.

Krelowski et al. (1987) compared the excess absorption of the 4430 Å DIB to the FUV color excess $E(1200 - 1800)$, the difference of the extinction at $\lambda = 1200$ Å and $\lambda = 1800$ Å. An anti-correlation was found for a combination of lines of sight to the Perseus OB1 and Cepheus OB3 associations. Krelowski et al. (1992) found that the intensity ratio of the 5780 Å DIB to the 5797 Å DIB observed along lines of sight toward several isolated interstellar clouds varies with the shape of the UV extinction (i.e., the 2175 Å bump and the FUV rise).

Instead of correlating the DIB strengths with the FUV extinction color excesses, Désert et al. (1995) compared the EWs of eight DIBs at 5707, 5780, 5797, 5850, 6177, 6196, 6269, 6284 Å of 28 lines of sight with the different components of the FUV extinction which are decomposed according to the FM scheme. In this scheme, the UV extinction in the wavelength range of $3.3 \mu\text{m}^{-1} < \lambda^{-1} < 8 \mu\text{m}^{-1}$ is decomposed into three distinct components: a linear background, a Drude bump, and a nonlinear FUV curvature component. This decomposition is given by the following equation:

$$E(\lambda - V)/E(B - V) = c_1 + c_2 x + c_3 D(x; \gamma, x_0) + c_4 F(x) \quad , \quad (1)$$

where $x \equiv \lambda^{-1}$ is the inverse wavelength (μm^{-1}), the parameters c_1 and c_2 respectively determine the intercept and slope of the linear “background” extinction, c_3 determines the strength of the 2175 Å extinction bump which is represented by the Lorentz oscillator “Drude profile” $D(x; \gamma, x_0) \equiv x^2 / [(x^2 - x_0^2)^2 + x^2 \gamma^2]$, γ and x_0 are respectively the FWHM and peak position of the Drude profile,² and c_4 determines the FUV nonlinear rise which is expressed as a polynomial

$$F(x) = \begin{cases} 0.5392 (x - 5.9)^2 + 0.05644 (x - 5.9)^3 & , \quad x \geq 5.9 \mu\text{m}^{-1} \\ 0 & , \quad x < 5.9 \mu\text{m}^{-1} \end{cases} \quad (2)$$

other to some extent. To explore the correlation between the DIB strength and the extinction parameters, the common dependence on the reddening $E(B - V)$ has to be cancelled out.

²In the Galactic ISM, the strength and width of the 2175 Å extinction bump vary with environment while its peak position is quite invariant (see Li 2005).

With a correlation coefficient of $r \approx -0.44$, Désert et al. (1995) found a trend for the DIB strength [normalized by $E(B - V)$] to anti-correlate with the FUV nonlinear rise (c_4). With $r \approx 0.12$, no correlation was seen between the normalised DIB strength and the linear rise in the UV (c_2). They also found a trend for the normalized DIB strength to correlate with the bump height c_3/γ^2 ($r \approx 0.74$) and anti-correlate with the bump width γ ($r \approx -0.40$).

Noteworthy, when expressed as A_λ/A_V , the FM parametrization for the extinction curve at $x > 3.3 \mu\text{m}^{-1}$ becomes

$$A_\lambda/A_V = c'_1 + c'_2 x + c'_3 D(x; \gamma, x_0) + c'_4 F(x) \quad , \quad (3)$$

where the parameters c'_j ($j = 1, 2, 3, 4$) are related to the FM parameters c_j (see eq.1) through

$$c'_j = \begin{cases} c_j/R_V + 1 , & j = 1 \\ c_j/R_V , & j = 2, 3, 4 \end{cases} . \quad (4)$$

Megier et al. (2001) studied the relation between the two major DIBs, 5780 and 5797 Å, of 70 lines of sight, and different color excesses $E(\lambda_1 - \lambda_2)$ in the wavelength range of $1260 \text{ Å} < \lambda < 3200 \text{ Å}$, with both the DIB strengths and the UV color excesses normalized by $E(B - V)$. With a step of 20 Å adopted for λ_1 and λ_2 , there were 4753 different possible (λ_1, λ_2) pairs, and thus, 4753 different color excesses. Megier et al. (2001) found that the correlation patterns of the two DIBs were different: showing an overall better correlation than the 5780 Å DIB, the 5797 Å DIB correlates best with the color excesses when at least one of the wavelengths is in the FUV region, while the 5780 Å DIB exhibits good correlation with the color excesses when one of the wavelengths falls close to the 2175 Å bump. The ratio of these two DIBs is best correlated with the FUV extinction rise. Megier et al. (2005) further extended the same analysis to 11 DIBs of 49 lines of sight. They found that, while most of the DIBs correlate positively with the extinction in the neighbourhood of the 2175 Å bump, the correlation with colour excesses in other parts of the extinction curve is more variable from one DIB to another: some DIBs (5797, 5850 and 6376 Å) correlate positively with the overall slope of the extinction curve, while others (5780 and 6284 Å) exhibit negative correlation.

We conclude that, although whether (and how) the DIB strengths are related to the FUV extinction has been a topic of extensive research for over four decades, no consensus has been reached and contradicting conclusions have been drawn in the literature. This seems to be largely caused by the inconsistencies in characterizing the strength of the FUV extinction.

3. How to Characterize the FUV Extinction?

As summarized in §2, whether the carriers of DIBs are related to the FUV extinction has been a topic of extensive studies for over four decades. Contradicting conclusions have been drawn in the literature, largely caused by the inconsistencies in characterizing the FUV extinction. In the majority of previous work on this subject, the FUV extinction was characterized by a few chosen quantities. These were either selected *extinction* [Schmit (1978): $A(1550)$; Seab & Snow (1984): $A(1250)$], *color excesses* [Wu (1972): $E(1200 - V)$; Witt et al. (1983): $E(1250 - V)$; Krelowski et al. (1987): $E(1200 - 1800)$; Megier et al. (2001, 2005): $E(\lambda_1 - \lambda_2)$ where $1260 \text{ \AA} \lesssim \lambda_1 < \lambda_2 \lesssim 3200 \text{ \AA}$], or *parameters* (e.g., c_2 , c_4 ; see eq. 1) derived by fitting the extinction curve with the FM parametrization (Désert et al. 1995). Correlation between these quantities and the DIBs was then sought. In view of the various standards in characterizing the strength of the FUV extinction, an important question one need to address is: what is the most reasonable measure of the FUV extinction? We note that, while the FM parametrization provides an excellent mathematical description of the UV extinction at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$, the distinction between the linear rise (measured by c_1 and c_2) and the FUV non-linear rise (measured by c_4) probably has little physical significance since there is no substance known that shows the corresponding extinction of any of them.

As illustrated in Figure 2, we propose to decompose the interstellar extinction curve into three Drude-like functions:

$$\begin{aligned} A_\lambda/A_V &= \frac{a_3}{(\lambda/\lambda_{\text{VIS}})^{a_1} + (\lambda_{\text{VIS}}/\lambda)^{a_1} + a_2} \\ &+ \frac{a_5}{(\lambda/0.2175)^2 + (0.2175/\lambda)^2 + a_4} \\ &+ \frac{a_8}{(\lambda/\lambda_{\text{FUV}})^{a_6} + (\lambda_{\text{FUV}}/\lambda)^{a_6} + a_7} \quad , \end{aligned} \quad (5)$$

where λ is in μm , and the parameters a_1, a_2, \dots, a_8 are dimensionless. In eq. 5, the first term on the right-hand side represents the near-IR/visible extinction, the second term represents the 2175 \AA extinction bump, and the third term accounts for the FUV extinction. The parameters a_1, a_2, \dots , and a_8 are not all independent. At $\lambda = 0.55 \mu\text{m}$, the left-hand side of eq. 5 becomes unity and therefore one derives a_8 from a_1, a_2, \dots , and a_7 :

$$a_8 = \left\{ 1 - \frac{a_3}{(0.55/\lambda_{\text{VIS}})^{a_1} + (\lambda_{\text{VIS}}/0.55)^{a_1} + a_2} - \frac{a_5}{6.551 + a_4} \right\} \times \{ (0.55/\lambda_{\text{FUV}})^{a_6} + (\lambda_{\text{FUV}}/0.55)^{a_6} + a_7 \} \quad . \quad (6)$$

Originally introduced by Pei (1992), the above-described “Drude” decomposition scheme has been successfully applied to derive the extinction curves of the host galaxies of γ -ray bursts (see Li et al. 2008, Liang & Li 2009, 2010). The physical basis of this decomposition

scheme lies in the interstellar grain size distribution. As early as 1973, Greenberg (1973) suggested to separate the interstellar extinction curve into three parts: the near-IR/visual part dominated by the sub- μm -sized “classical” grains of $a \gtrsim 0.05 \mu\text{m}$, the 2175 Å bump caused by grains much smaller than the so-called “classical” sizes, and the FUV rise produced by small grains with radii $a < 0.01 \mu\text{m}$. This can be quantitatively verified in terms of the Weingartner & Draine (2001; hereafter WD01) model which consists of a mixture of amorphous silicate and carbonaceous grains ranging from a few angstroms to a few tenth micrometers. The carbonaceous grain population extends from grains with graphitic properties at radii $a \gtrsim 0.01 \mu\text{m}$, down to particles with PAH-like properties at very small sizes (Li & Draine 2001a). As demonstrated in Figure 3, the extinction arising from “classical” silicate and graphite grains of $a \gtrsim 250 \text{ Å}$ indeed dominates the near-IR/visual part of the observed extinction curve and saturates at $\lambda > 4 \mu\text{m}^{-1}$. The reason for this saturation is that the change in curvature of the calculated extinction curve from concave to convex at $\sim 2.3 \mu\text{m}^{-1}$ is a dominant signature of grains with an average grain radii of $\sim 0.05\text{--}0.2 \mu\text{m}$ (Greenberg 1968). Also prominent in Figure 3 is that the 2175 Å bump is produced by PAHs and ultrasmall graphitic grains of $a \lesssim 250 \text{ Å}$, while ultrasmall silicate grains of $a \lesssim 250 \text{ Å}$ mainly absorb at the FUV. The sum of these three parts closely reproduces the observed extinction curve represented by the CCM formula of $R_V = 3.1$ and Fitzpatrick (1999). A comparison of the WD01 model separation (see Figure 3) with the Drude decomposition (see Figure 2) reasonably justifies the decomposition scheme: the near-IR/visual extinction results from “classical”, sub- μm -sized grains while the FUV extinction rise is caused by a population of grains of different sizes (i.e., ultrasmall grains with $a \lesssim 250 \text{ Å}$). The major difference between the Drude decomposition and the WD01 model separation is that, while the former contains a separate bump component which contributes little to the FUV, the latter has the FUV extinction rise appreciably contributed by the bump carrier (i.e., PAHs and ultrasmall graphitic grains). Finally, we note that the justification of the Drude decomposition scheme would not only be provided by the WD01 silicate-graphite-PAH model, but by other models as well (e.g., see Désert et al. 1990, Li & Greenberg 1997, Schnaiter et al. 1998, Jones et al. 2013).

We further propose to use $A_{\text{FUV}}^{\text{int}}$, the area of the FUV component integrated over λ^{-1} , as a measure of the FUV extinction

$$A_{\text{FUV}}^{\text{int}}/A_V \equiv \int_{0.1 \mu\text{m}}^{\infty} \frac{a_8}{(\lambda/\lambda_{\text{FUV}})^{a_6} + (\lambda_{\text{FUV}}/\lambda)^{a_6} + a_7} d\lambda \quad . \quad (7)$$

³Li & Draine (2001a) classified interstellar grains into two categories: “classical” grains with radii $a \gtrsim 250 \text{ Å}$ and ultrasmall grains with $a \lesssim 250 \text{ Å}$. The size $a = 250 \text{ Å}$ was chosen since when exposed to the general interstellar radiation field (Mathis et al. 1983), ultrasmall grains with $a \lesssim 250 \text{ Å}$ undergo transient heating by individual starlight photons while “classical” grains with $a \gtrsim 250 \text{ Å}$ attain an equilibrium temperature.

The integration is made over $0 < \lambda^{-1} < 10 \mu\text{m}^{-1}$, with the upper limit of the integral being intermediate between the short-wavelength limit ($\sim 0.12 \mu\text{m}$) of the *International Ultraviolet Explorer* (IUE) satellite and the Lyman limit at $0.0912 \mu\text{m}$. It is easy to show that $A_{\text{FUV}}^{\text{int}}$ measures the column density of the FUV absorber (see Purcell 1969):

$$A_{\text{FUV}}^{\text{int}} = \int_{0.1 \mu\text{m}}^{\infty} A_{\text{FUV}}(\lambda) d\lambda \propto N_{\text{FUV}} \quad , \quad (8)$$

where N_{FUV} is the column density of the FUV absorber. Noteworthy, the column density of the carrier of a given DIB can be determined from its equivalent width W_{DIB} through

$$N_{\text{DIB}} \approx 1.13 \times 10^{20} \text{ cm}^{-2} (W_{\text{DIB}} / \text{\AA}) (\lambda / \text{\AA})^{-2} f_{\text{DIB}}^{-1} \quad , \quad (9)$$

where f_{DIB} is the oscillator strength of the transition associated with the DIB (see Herbig 1993). Therefore, one can compare $A_{\text{FUV}}^{\text{int}}$ with W_{DIB} as both quantities linearly determine the column densities of their respective carriers. We note that, strictly speaking, the perfect linear proportionality between $A_{\text{FUV}}^{\text{int}}$ and N_{FUV} (see eq. 8) or between W_{DIB} and N_{DIB} (see eq. 9) is strictly valid only if the intrinsic physical and chemical properties of the carriers of the FUV extinction or DIBs do not vary much in different interstellar environments. This is because $W_{\text{DIB}} \propto f_{\text{DIB}} \times N_{\text{DIB}}$ and $A_{\text{FUV}}^{\text{int}} \propto F \times N_{\text{FUV}}$, where the dimensionless factor F depends on the shape of the FUV extinction carrier and the static (zero-frequency) dielectric constant ε_0 of the carrier material (Purcell 1969). If the intrinsic chemical and structural properties of the carriers of the FUV extinction or DIBs differ substantially in different environments, ε_0 and f_{DIB} may not be invariant.

4. Correlations between DIBs and the FUV Extinction

To examine whether (and how) DIBs correlate with the FUV extinction, we compile an as large as possible set of sightlines for which both the interstellar extinction curves and DIBs have been measured. Also, in order for our analysis of the correlation between DIBs and the FUV extinction to be statistically significant, we require that each DIB has been measured in at least five sightlines. To this end, we have collected the following 40 DIBs for 97 sightlines: $\lambda 4428/4430 \text{ \AA}$, $\lambda 4501 \text{ \AA}$, $\lambda 4726 \text{ \AA}$, $\lambda 4762/4763 \text{ \AA}$, $\lambda 5487 \text{ \AA}$, $\lambda 5544 \text{ \AA}$, $\lambda 5705 \text{ \AA}$, $\lambda 5707 \text{ \AA}$, $\lambda 5763 \text{ \AA}$, $\lambda 5766 \text{ \AA}$, $\lambda 5773 \text{ \AA}$, $\lambda 5776 \text{ \AA}$, $\lambda 5778 \text{ \AA}$, $\lambda 5780 \text{ \AA}$, $\lambda 5793 \text{ \AA}$, $\lambda 5795 \text{ \AA}$, $\lambda 5797 \text{ \AA}$, $\lambda 5809 \text{ \AA}$, $\lambda 5819 \text{ \AA}$, $\lambda 5829 \text{ \AA}$, $\lambda 5844 \text{ \AA}$, $\lambda 5849/5850 \text{ \AA}$, $\lambda 6010 \text{ \AA}$, $\lambda 6065 \text{ \AA}$, $\lambda 6090 \text{ \AA}$, $\lambda 6113 \text{ \AA}$, $\lambda 6195/6196 \text{ \AA}$, $\lambda 6203 \text{ \AA}$, $\lambda 6204.5 \text{ \AA}$, $\lambda 6234 \text{ \AA}$, $\lambda 6269/6270 \text{ \AA}$, $\lambda 6284 \text{ \AA}$, $\lambda 6376 \text{ \AA}$, $\lambda 6379 \text{ \AA}$, $\lambda 6425 \text{ \AA}$, $\lambda 6439 \text{ \AA}$, $\lambda 6521 \text{ \AA}$, $\lambda 6613/6614 \text{ \AA}$, $\lambda 6660/6661 \text{ \AA}$, and $\lambda 6699 \text{ \AA}$. The $\lambda 4428 \text{ \AA}$ DIB, a DIB so far detected at the shortest wavelength, is sometimes known as the $\lambda 4430 \text{ \AA}$ DIB. In this work we consider them as the same DIB and label them “ $\lambda 4428/4430 \text{ \AA}$ ”. Similarly, the DIBs

at $\lambda 4762 \text{ \AA}$, $\lambda 5849 \text{ \AA}$, $\lambda 6195 \text{ \AA}$, $\lambda 6269 \text{ \AA}$, $\lambda 6613 \text{ \AA}$, and $\lambda 6660 \text{ \AA}$ are often also respectively referred to as the $\lambda 4763 \text{ \AA}$, $\lambda 5850 \text{ \AA}$, $\lambda 6196 \text{ \AA}$, $\lambda 6270 \text{ \AA}$, $\lambda 6614 \text{ \AA}$, and $\lambda 6661 \text{ \AA}$ DIBs. In this work we also treat them as single DIBs and label them “ $\lambda 4762/4763 \text{ \AA}$ ”, “ $\lambda 5849/5850 \text{ \AA}$ ”, “ $\lambda 6195/6196 \text{ \AA}$ ”, “ $\lambda 6269/6270 \text{ \AA}$ ”, “ $\lambda 6613/6614 \text{ \AA}$ ”, and “ $\lambda 6660/6661 \text{ \AA}$ ”. In addition, the two DIBs at $\lambda 6376 \text{ \AA}$ and $\lambda 6379 \text{ \AA}$ may blend. To examine this effect, we have also considered grouping these two DIBs into one DIB which is referred to as “ $\lambda 6376 \text{ \AA}/6379 \text{ \AA}$ ”. We derive similar correlation results for the “blended” $\lambda 6376 \text{ \AA}/6379 \text{ \AA}$ DIB as that if the $\lambda 6376 \text{ \AA}$ DIB and the $\lambda 6379 \text{ \AA}$ DIB are treated separately.

We stress that, apparently, the selected 40 DIBs have been detected in many other sources as well (in addition to the selected 97 lines of sight). Also, many more DIBs (in addition to the selected 40 DIBs) have also been seen in the selected 97 lines of sight. However, by satisfying the requirement that (1) for any given DIB, it must have been detected in at least five sightlines, and (2) for any given line of sight, the UV extinction curve must have been measured, we are finally left with a sample of 40 DIBs and 97 sightlines. In Figure 4 we present the histograms of $E(B - V)$, R_V , A_V , and d , the distance from Earth to the cloud for the selected 97 lines of sight. It can be seen that the majority of these sources has $E(B - V) < 1 \text{ mag}$ (for 89/97 of the sources), $R_V < 3.5$ (for 75/97 of the sources), $A_V < 3 \text{ mag}$ (for 88/97 of the sources) and $d < 2 \text{ kpc}$ (for 64/76 of the sources),⁴ with a median value of $\langle E(B - V) \rangle \approx 0.46 \text{ mag}$, $\langle R_V \rangle \approx 3.2$, $\langle A_V \rangle \approx 1.5 \text{ mag}$, and $\langle d \rangle \approx 0.99 \text{ kpc}$. This demonstrates that the majority of the interstellar clouds considered in this work is diffuse or translucent in nature, not dense.⁵ In this sense, the intrinsic chemical and structural properties of the carriers of the far-UV extinction or DIBs are not expected to vary substantially among these 97 interstellar clouds. Therefore, it is reasonable to expect a more or less linear relationship between $A_{\text{FUV}}^{\text{int}}$ and N_{FUV} (see eq. 8) or between W_{DIB} and N_{DIB} (see eq. 9).

We construct a set of 97 “observed” extinction curves as follows. We take the FM parameters (c_1 , c_2 , c_3 , c_4 , x_o , γ) derived in the literature for the UV extinction curves at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ of all these 97 lines of sight. These parameters as well as $E(B - V)$ and R_V

⁴For the 97 clouds, we only know the distance to 76 of them.

⁵The ISM is generally classified into three phases (see Snow & McCall 2006): the cold neutral medium, the warm ionized medium or warm neutral medium, and the hot ionized medium. The cold neutral medium itself contains a variety of cloud types (e.g., diffuse clouds, translucent clouds, and molecular clouds). In diffuse clouds, hydrogen is mostly in atomic form and carbon is mostly in ionized form (C^+). They typically have a total visual extinction of $A_V \sim 0\text{--}1 \text{ mag}$, and a hydrogen number density of $n_{\text{H}} \sim 10\text{--}500 \text{ cm}^{-3}$. In translucent clouds, hydrogen is mostly in molecular (H_2) and the transition of carbon from ionized (C^+) to atomic (C) or molecular (CO) form takes place. These clouds have $A_V \sim 1\text{--}5 \text{ mag}$ and $n_{\text{H}} \sim 500\text{--}5000 \text{ cm}^{-3}$. In molecular clouds, carbon becomes almost completely molecular. They are dense ($n_{\text{H}} \gtrsim 10^4 \text{ cm}^{-3}$) and subject to large extinction ($A_V > 5\text{--}10 \text{ mag}$).

are tabulated in Table 1. The optical/near-IR extinction curves at $0.3 < \lambda^{-1} < 3.3 \mu\text{m}^{-1}$ are computed from the R_V -based CCM parametrization. We then smoothly join the UV extinction at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ to the optical/near-IR extinction. For each sightline, by following the approach elaborated in §3 (see eq. 5) we decompose the “observed” extinction curve into three Drude functions and obtain the integrated FUV extinction $A_{\text{FUV}}^{\text{int}}$. Following WD01, we evaluate the extinction at 100 wavelengths λ_i , equally spaced in $\ln \lambda$. We use the Levenberg-Marquardt method (Press et al. 1992) to minimize χ^2 which gives the error in the decompositional fit:

$$\chi^2 = \sum_i \frac{\{(A_{\lambda,i}/A_V)_{\text{obs}} - (A_{\lambda,i}/A_V)_{\text{mod}}\}^2}{\sigma_i^2} , \quad (10)$$

where $(A_{\lambda,i}/A_V)_{\text{obs}}$ is the “observed” extinction at wavelength λ_i , $(A_{\lambda,i}/A_V)_{\text{mod}}$ is the extinction computed from the decompositional fit at wavelength λ_i (see eq. 5), and σ_i is the weight. Following WD01, we take $\sigma_i = 0.03 \times (A_{\lambda,i}/A_V)_{\text{obs}}$ for $1.1 < \lambda^{-1} < 10 \mu\text{m}^{-1}$ and $\sigma_i = 0.1 \times (A_{\lambda,i}/A_V)_{\text{obs}}$ for $\lambda^{-1} < 1.1 \mu\text{m}^{-1}$. The Drude parameters $a_1, a_2, \dots, a_8, \lambda_{\text{VIS}}$, and λ_{FUV} as well as $A_{\text{FUV}}^{\text{int}}$ and χ^2 are tabulated in Table 2. Also shown in Table 2 are $A_{\text{bump}}^{\text{int}}$, the wavelength-integrated extinction of the 2175 Å bump and $A_{\text{VIS}}^{\text{int}}$, the wavelength-integrated visual/near-IR extinction which are defined as:

$$A_{\text{bump}}^{\text{int}}/A_V \equiv \int_{0.1 \mu\text{m}}^{\infty} \frac{a_5}{(\lambda/0.2175)^2 + (0.2175/\lambda)^2 + a_4} d\lambda . \quad (11)$$

$$A_{\text{VIS}}^{\text{int}}/A_V \equiv \int_{0.1 \mu\text{m}}^{\infty} \frac{a_3}{(\lambda/\lambda_{\text{VIS}})^{a_1} + (\lambda_{\text{VIS}}/\lambda)^{a_1} + a_2} d\lambda . \quad (12)$$

In Figure 5 we show the decompositional fitting results for nine representative sightlines which exhibit a wide range of extinction curves. At $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$, the “observed” extinction curves of these lines of sight range from normal-looking CCM-type curves (e.g., HD 16691 for which the observed extinction curve closely agrees with the CCM parametrization of $R_V = 2.93$) to curves which substantially deviate from the CCM formulae by showing either a very steep FUV rise (e.g., HD 210121) or a flat FUV rise (e.g., HD 147165, HD 200775). These lines of sight also have widely varying bump strengths, ranging from very weak bumps (e.g., HD 210121, HD 29647, HD 200775) to bumps considerably stronger than predicted from R_V -based CCM formulae (e.g., HD 144470). While the CCM parametrization could not fit the “observed” extinction curves at $3.3 < \lambda^{-1} < 10 \mu\text{m}^{-1}$ of many sightlines, the Drude decomposition technique closely reproduces the extinction curves of all 97 sightlines.

We note that, strictly speaking, the “observed” extinction curves shown in Figure 5 are not really the original observational data, but approximated by the FM parametrization at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ and the CCM parametrization at $\lambda^{-1} < 3.3 \mu\text{m}^{-1}$. To verify this

parametrized approximation, we also show the original IUE data for three representative lines of sight: HD 210121 (Fitzpatrick & Massa 2007), HD 16691 (Aiello et al. 1988), and HD 200775 (Aiello et al. 1988). While the extinction curve of HD 16691 is well described by the CCM formula and closely resembles the average Galactic extinction law, HD 210121 exhibits a steep far-UV extinction rise and HD 200775 shows a flat far-UV extinction. As the FM parametrization closely fits the IUE data, it is not surprising that the Drude decomposition model is also in close agreement with the IUE data (see Figure 5a,d,i).

The DIB EWs are also taken from the literature. Unfortunately, there is no consensus in the DIB community on how to derive the DIB EW. For the same DIB, if integrated over different wavelength limits, one would obtain different EWs [e.g., in determining the EW of the $\lambda 5797$ Å DIB, Friedman et al. (2011) performed the integration by extending to the blue wing of the DIB, while for some sightlines Galazutdinov et al. (2004) did not include the blue wing; therefore, the EW of this DIB derived by Friedman et al. (2011) for some sightlines was appreciably larger than that of Galazutdinov et al. (2004)]. It is rather common that different EWs have been reported by different authors for the very same DIB along the very same sightline (see Tables 3–44). In some cases the reported EWs differ substantially from one another. It is therefore not trivial to decide which one is the “true” EW. We employ the following criteria to determine the EW of a DIB of a given line of sight from the literature:

- For each of the selected 40 DIBs, we collect all the EWs (W_{DIB}) reported in the literature for the sightlines of interest here (i.e., they must be among the selected 97 sightlines). As illustrated in Figure 6, we plot W_{DIB} against $E(B - V)$ for the $\lambda 4762/4763$ Å DIB and derive a linear relation between W_{DIB} and $E(B - V)$. A linear relation between W_{DIB} and $E(B - V)$ is expected as both quantities are proportional to the amount of interstellar materials along the line of sight. It is true that the linearity between W_{DIB} and $E(B - V)$ may break down for DIBs in molecular clouds. However, as shown in Figure 4c, all of our clouds have $A_V < 4$ mag and are mostly diffuse or translucent, not molecular. Indeed, for 38 of our 40 sightlines, a single linear relation describes the relation between W_{DIB} and $E(B - V)$ very well, except the $\lambda 6203$ Å and $\lambda 6284$ Å DIBs which will be discussed below.
- If a sightline has been observed only once, we will compare the reported EW of a given DIB with the $W_{\text{DIB}}-E(B - V)$ relation derived above. If the reported EW is within 3σ of the predicted value given by the $W_{\text{DIB}}-E(B - V)$ relation, we will adopt this EW as well as the reported uncertainty (denoted by “ $\sqrt{}$ ” in Tables 3–44), otherwise we will not adopt (denoted by “ \times ” in Tables 3–44). If no uncertainty is given in the

literature, we assign a 10% uncertainty.⁶ For illustration, we show in Figure 6 that the $\lambda 4762/4763$ Å DIB has been observed only once in HD 21291 (Herbig 1975), HD 190603 (Herbig 1975), and HD 199478 (Herbig 1975). We do not adopt the reported EWs for these three sightlines since they are not within 3σ of that given by the $W_{\text{DIB}}-E(B-V)$ relation.

- If the sightline has been observed twice, we will take the weighted mean value of the reported EWs if they are close to each other within $\sim 15\%$, otherwise we will first determine the linear relation between W_{DIB} and $E(B-V)$ derived above and take the one which falls in the $W_{\text{DIB}}-E(B-V)$ linear relation and reject the one which deviates significantly from that relation by 3σ . For illustration, we show in Figure 6 that the $\lambda 4762/4763$ Å DIB has been observed twice in HD 198478 (Herbig 1975, Thorburn et al. 2003). We adopt the one measured by Thorburn et al. (2003) since their EW is within 3σ of that given by the $W_{\text{DIB}}-E(B-V)$ relation. We do not adopt the EW determined by Herbig (1975) since his reported EW deviates considerably (by more than 3σ) from that predicted from the $W_{\text{DIB}}-E(B-V)$ relation.
- If the sightline has been observed more than twice and for the very same DIB there are three or more sets of EWs reported in the literature, we will take the weighted mean value of those reported EWs which are close to each other within $\sim 15\%$ and reject those which deviate significantly from the majorities by 3σ .
- For the $\lambda 6203$ Å and $\lambda 6284$ Å DIBs (see Figure 7), there appears to exist two groups of data each of which corresponds to a different slope $dW_{\text{DIB}}/dE(B-V)$. For the $\lambda 6203$ Å DIB, the EWs derived by Herbig (1975), Benvenuti & Porceddu (1989), and Thorburn et al. (2003) are similar and larger than that determined by Megier et al. (2005), Wszolek & Godłowski (2003), and Hobbs et al. (2008, 2009). This is probably because the former authors integrated over a wider wavelength range. We consider these data separately and label these with larger EWs “6203(1)” and these with smaller EWs “6203(2)” (see Tables 30,31). Similarly, for the $\lambda 6284$ Å DIB, Benvenuti & Porceddu (1989), Désert et al. (1995), Snow et al. (2002), Hobbs et al. (2008, 2009), Friedman et al. (2011), and Raimond et al. (2012) derived similar W_{DIB} values which are larger than that determined by Herbig (1975), Seab & Snow (1984), and Megier et al. (2005).

⁶For the DIB EW data tabulated in Wu (1972), Herbig (1975, 1993, 2000), Seab & Snow (1984), Josafatsson & Snow (1987), Benvenuti & Porceddu (1989), Krelowski et al. (1999), Megier et al. (2001), Wszolek & Godłowski (2003), and Galazutdinov et al. (2004), no uncertainties associated with the DIB EWs were given in their tables. Herbig (1993), Krelowski et al. (1999) and Galazutdinov et al. (2004) all assumed a 10% uncertainty.

Again, we consider these data separately and label these with larger EWs “6284(1)” and these with smaller EWs “6284(2)” (see Tables 35,36).

Finally, we intend to favor recent measurements over “ancient” measurements. By “ancient” we mean those measurements made before 2000. Also, for a given line of sight we ignore those DIBs for which $W_{\text{DIB}}/E(B-V) < 10 \text{ mÅ mag}^{-1}$. These DIBs are rather weak and have large uncertainties (e.g., see Wszolek & Godlowski 2003). To this end, 73 of 2260 ($\sim 3.2\%$) are ignored and not included in the following correlation analysis. In Tables 3–44 we list the sources and selections of the EWs as well as the finally adopted EWs for all 40 DIBs. We have two tables for the $\lambda 6203 \text{ Å}$ DIB and the $\lambda 6284 \text{ Å}$ DIB each and one table for each of the remaining 38 DIBs. Therefore, in total we have 42 tables.

Let $W'_{\text{DIB}} \equiv W_{\text{DIB}}/E(B-V)$ be the normalized DIB EW. We examine the correlation between W'_{DIB} and $A_{\text{FUV}}^{\text{int}}$. With a Pearson correlation coefficient of $|r| < 0.60$ and a Kendall $|\tau| < 0.40$, we find that most ($\sim 90\%$) of the DIBs studied here show no correlation with the FUV extinction. For illustration, we show in Figures 8a, 9a, 10a the correlation results for the $\lambda 4762 \text{ Å}$, $\lambda 5780 \text{ Å}$, and $\lambda 6660/6661 \text{ Å}$ DIBs. Most DIBs are like these three DIBs and are not related to the FUV extinction. In Table 45 we list the Pearson correlation coefficients r and the Kendall τ coefficients and the corresponding significance levels p for the correlation between each DIB and $A_{\text{FUV}}^{\text{int}}$. Among 40 DIBs, only one DIB — the $\lambda 4501 \text{ Å}$ DIB (with $r \approx 0.84$ and $\tau \approx 0.55$, $p \approx 0.126$) — correlates with the FUV extinction (see Figure 11a). Meanwhile, with $r \approx 0.52$ and $\tau \approx 0.46$, $p \approx 0.05$, the $\lambda 6090 \text{ Å}$ DIB appears to show a tendency of correlating with the FUV extinction (see Figure 12a). It is also found that two (over 40) DIBs, the $\lambda 4428/4430 \text{ Å}$ DIB (with $r \approx -0.69$ and $\tau \approx -0.44$, $p \approx 0.110$; see Figure 13a)⁷ and the $\lambda 6699 \text{ Å}$ DIB (with $r \approx -0.61$ and $\tau \approx -0.43$, $p \approx 0.072$; see Figure 14a) are somewhat negatively correlated with the FUV extinction.

5. Discussion

In §4 we have shown that the EWs of most of the DIBs show no correlation with $A_{\text{FUV}}^{\text{int}}$, the FUV extinction obtained by decomposing the observed extinction curve into three components. As $A_{\text{FUV}}^{\text{int}}$ measures the column density of the FUV absorber (see eq. 8) and the DIB EW (W_{DIB}) measures the column density of the DIB carrier (see eq. 9), the lack

⁷If we exclude HD 149579 (Tüg & Schmidt-Kaler 1981), the data point at the upper left corner, the anti-correlation between the FUV extinction and the $\lambda 4428/4430 \text{ Å}$ DIB becomes weaker: $r \approx -0.51$ and $\tau \approx -0.36$, $p \approx 0.22$. Further spectroscopic observations of this DIB along the line of sight toward HD 149579 will be very helpful.

of correlation between $A_{\text{FUV}}^{\text{int}}$ and W_{DIB} implies they are not from the same carrier. If PAHs are responsible for DIBs (e.g., see Crawford et al. 1985, Léger & d’Hendecourt 1985, van der Zwet & Allamandola 1985, Salama et al. 1999, 2011), then they cannot be the sole contributor to the observed FUV extinction. Other dust components such as small graphitic grains and small silicate grains must be present to account for at least part of the observed FUV extinction. The silicate-graphite-PAH model (WD01, Li & Draine 2001a) fits into this scenario. As shown in Figure 5, the FUV extinction is roughly equally contributed by small graphite grains and small silicate grains. We note that an upper limit on the quantity of nano-sized silicate grains can be placed based on the nondetection of the $9.7\,\mu\text{m}$ emission feature in the diffuse ISM (Li & Draine 2001b).

In the literature, the extinction color excess $E(\lambda_1 - \lambda_2)$ instead of $A_{\text{FUV}}^{\text{int}}$ is often used for exploring the correlation between DIBs and the FUV extinction (see §2). To be complete, we have also considered the correlation of W_{DIB} with $E(1300 - 1700) \equiv A_{1300} - A_{1700}$, the difference between the extinction at $\lambda = 1300\,\text{\AA}$ and $\lambda = 1700\,\text{\AA}$. The correlation results are close to that derived from W_{DIB} and $A_{\text{FUV}}^{\text{int}}$ (see Table 45; also see Figures 8b–14b for the selected DIBs). This suggests that $E(1300 - 1700)$ is a valid indicator of the FUV extinction.

To investigate whether and how the DIB carriers are affected by the interstellar UV radiation, we have also considered the correlation between W_{DIB} and $(AJ)_{\text{FUV}}^{\text{atten}}$, with the latter measures the starlight attenuation:

$$(AJ)_{\text{FUV}}^{\text{atten}} \equiv \int_{912\,\text{\AA}}^{\infty} J_{\lambda}^{\text{ISRF}} \exp \left\{ -\frac{1}{2} \left(\frac{A_V}{1.086} \right) \left(\frac{A_{\lambda}}{A_V} \right) \right\} d\lambda / \int_{912\,\text{\AA}}^{\infty} J_{\lambda}^{\text{ISRF}} d\lambda , \quad (13)$$

where $J_{\lambda}^{\text{ISRF}}$ is the Mathis, Mezger & Panagia (1983) interstellar radiation field (hereafter MMP83 ISRF), A_V is the line-of-sight visual extinction, and A_{λ}/A_V is the line-of-sight extinction curve. In eq. 13, the factor “ $\frac{1}{2}$ ” accounts for the fact that A_V is for the whole cloud and even the starlight in the cloud center only suffers a total amount of $1/2 A_V$ visual extinction. We find that W_{DIB} and $(AJ)_{\text{FUV}}^{\text{atten}}$ are not correlated (see Table 45; also see Figures 8c–14c for the selected DIBs). This suggests that the DIB carriers are rather robust and the attenuation of the interstellar UV radiation does not necessarily affect their survival in the ISM.

As shown in §4, while most of the DIBs studied here are not related to the FUV extinction, the $\lambda 4501\,\text{\AA}$ and $\lambda 6090\,\text{\AA}$ DIBs somewhat positively correlate with the FUV extinction measured in terms of $A_{\text{FUV}}^{\text{int}}$ and $E(1300 - 1700)$, but not with $(AJ)_{\text{FUV}}^{\text{atten}}$. The fact that these two DIBs are not correlated with $(AJ)_{\text{FUV}}^{\text{atten}}$ indicates that their correlation with the FUV extinction is not due to the attenuation of the UV radiation which could shield their carriers from being photodissociated. Perhaps the carriers of these two DIBs are related to the carriers of the FUV extinction, e.g., with the former originating from the collisional

grinding of the latter. Laboratory experiments have shown that, induced by shocks (i.e., grain-grain collisions), small hydrogenated amorphous carbon (HAC) grains in the ISM may decompose into PAHs and fullerenes (Scott et al. 1997). If small HAC grains are responsible for the FUV extinction while PAHs and/or fullerenes are responsible for (some of) the DIBs, it is natural to expect W_{DIB} to positively correlate with $A_{\text{FUV}}^{\text{int}}$ and $E(1300 - 1700)$. However, it is puzzling why this is only true for the $\lambda 4501 \text{ \AA}$ and $\lambda 6090 \text{ \AA}$ DIBs, not true for the other 38 (of 40) DIBs. Moreover, it is also puzzling that the $\lambda 4428/4430 \text{ \AA}$ and $\lambda 6699 \text{ \AA}$ DIBs show a negative correlation with $A_{\text{FUV}}^{\text{int}}$ and $E(1300 - 1700)$, but not with $(AJ)_{\text{FUV}}^{\text{atten}}$. One may speculate that the creation of the carriers of DIBs may require UV photons (e.g., the carriers are possibly ions and therefore one needs UV photons to photoionize the carriers, see Witt 2014). If this is true, one may argue that the anti-correlation between these two DIBs and the FUV extinction could be due to the reduction of UV photons in regions with a larger $A_{\text{FUV}}^{\text{int}}$ or $E(1300 - 1700)$. However, the fact that these two DIBs are not correlated with $(AJ)_{\text{FUV}}^{\text{atten}}$ challenges this hypothesis.

It would be useful to explore these DIBs in well-studied regions of which the physical and chemical conditions are known. In the future work we will examine the effects of the UV extinction on DIBs in individual, well-studied regions such as the HD 147889 sightline (Ruiterkamp et al. 2005) and the Small Magellanic Cloud wing and bar regions (Cox et al. 2007). It is interesting to note that DIBs are present in the Large and Small Magellanic Clouds (LMC/SMC; Ehrenfreund et al. 2002, Cox et al. 2006, 2007, Welty et al. 2006) of which the starlight intensities and the shapes of the extinction curves differ substantially from that of the Milky Way. The SMC bar extinction curve is characterized by a steep, featureless, almost linear rise with λ^{-1} and lacks the 2175 \AA bump (see Li et al. 2005), while the starlight intensity of the SMC bar is stronger than the Milky Way diffuse ISM by a factor of ~ 30 (see Li & Draine 2002). Quantitative studies of DIBs in the LMC and SMC sightlines would allow us to gain insight into the effects of UV radiation and dust extinction on DIBs (e.g., see Cox & Spaans 2006).

Xiang et al. (2011) explored the relation between the EWs of nine DIBs and the 2175 \AA extinction bump of 84 sightlines, using $\pi c_3/2\gamma$ as a measure of the bump strength. No correlation was found. In this work we have also investigated the correlation between $A_{\text{bump}}^{\text{int}}$, the wavelength-integrated bump and W_{DIB} for 40 DIBs along 97 sightlines. Similar to Xiang et al. (2011), we find that the 2175 \AA bump does not correlate with DIBs, except the $\lambda 6699 \text{ \AA}$ DIB shows a tendency of correlating with the 2175 \AA bump. This suggests that it is unlikely for the extinction bump and DIBs to share a common carrier (see Figures 8d–14d for the selected DIBs), posing a challenge to the hypothesis of PAHs being responsible for both the 2175 \AA bump (Joblin et al. 1992, Li & Draine 2001a, Cecchi-Pestellini et al. 2008, Mallocci et al. 2008, Steglich et al. 2010) and DIBs (Crawford et al. 1985, Léger & d’Hendecourt 1985,

van der Zwet & Allamandola 1985, Salama et al. 1999, 2011).

It is long known that the 2175 Å extinction bump does not correlate with the FUV extinction (see Greenberg & Chlewicki 1983). In Figure 15 we plot $A_{\text{bump}}^{\text{int}}$ (see eq. 11) against $E(1300 - 1700)$ as well as $A_{\text{bump}}^{\text{int}}$ against $A_{\text{FUV}}^{\text{int}}$, with all quantities normalized to $E(B - V)$. Our results confirm the earlier findings of Greenberg & Chlewicki (1983) that the 2175 Å bump and the FUV extinction are not related, suggesting that the bump carriers are not a dominant contributor of the FUV extinction.

In the FM parametrization, the FUV extinction is measured by three parameters: c_1 , c_2 and c_4 (see eqs. 1, 3). In Figure 16 we correlate the wavelength-integrated FUV extinction ($A_{\text{FUV}}^{\text{int}}$) with these FM parameters. It is seen that $A_{\text{FUV}}^{\text{int}}$ negatively correlates with c_1 and positively correlates with c_2 . Also, $A_{\text{FUV}}^{\text{int}}$ tends to correlate with c_4 . Figure 16 shows that if one really wants to use one FM parameter to describe the FUV extinction, c_2 would be the most favorable parameter.

6. Summary

We have explored the relationship between the FUV extinction and 40 DIBs along 97 sightlines. The principal results are as follows:

- We have tried to compile from the literature an as large as possible set of sightlines for which both the interstellar extinction curves and DIBs have been measured. This leads to a sample of 40 DIBs and 97 sightlines which meets the following criterion: (1) in order for our analysis of the correlation between DIBs and the UV extinction to be statistically meaningful, we require that, for any given DIB, it must have been detected in at least five sightlines, and (2) for any given line of sight, the UV extinction curve must have been measured.
- We have proposed a decomposition technique to decompose the observed interstellar extinction curve into three Drude-like functions which consist of a visible/near-IR component, a bump peaking at 2175 Å, and a FUV component. This decomposition technique is justified by interstellar grain models. We argue that the wavelength-integrated FUV extinction $A_{\text{FUV}}^{\text{int}}$ is the best measure of the strength of the FUV extinction.
- We have compiled the FM extinction parameters and the EWs of 40 DIBs along 97 sightlines. We have decomposed the extinction curves of these sightlines to obtain $A_{\text{FUV}}^{\text{int}}$. In the literature, there is quite a rich variety of information on the EWs of DIBs. However, there is no consensus in the DIB community on how to derive the DIB EW

and therefore, it is rather common that different EWs have been reported by different authors for the very same DIB along the very same sightline. We have proposed a procedure to carefully select and determine the DIB EWs from the literature, with the original data and the selection procedure fully tabulated.

- We have examined the correlation between the DIB EWs and $A_{\text{FUV}}^{\text{int}}$. It is found that, with a Pearson correlation coefficient of $|r| < 0.60$ and a Kendall correlation coefficient of $|\tau| < 0.40$, for most ($\sim 90\%$) of the DIBs they are not correlated with the FUV extinction. We have also studied the relation between DIBs and $E(1300 - 1700)$ and no correlation is found. The color excess $E(1300 - 1700)$ is a quantity often used in the literature to measure the strength of the FUV extinction. We confirm that $E(1300 - 1700)$ is a valid indicator of the FUV extinction.
- It is also found that the wavelength-integrated 2175 Å bump extinction does not correlate with $A_{\text{FUV}}^{\text{int}}$, confirming the early findings that the 2175 Å bump and the FUV extinction are not related. We have also examined the relation between $A_{\text{FUV}}^{\text{int}}$ and the FM parameters c_1 , c_2 and c_4 (where c_1 and c_2 are respectively the intercept and slope of the linear extinction component while c_4 determines the FUV nonlinear extinction rise). It is found that the FUV extinction $A_{\text{FUV}}^{\text{int}}$ is best measured by c_2 .

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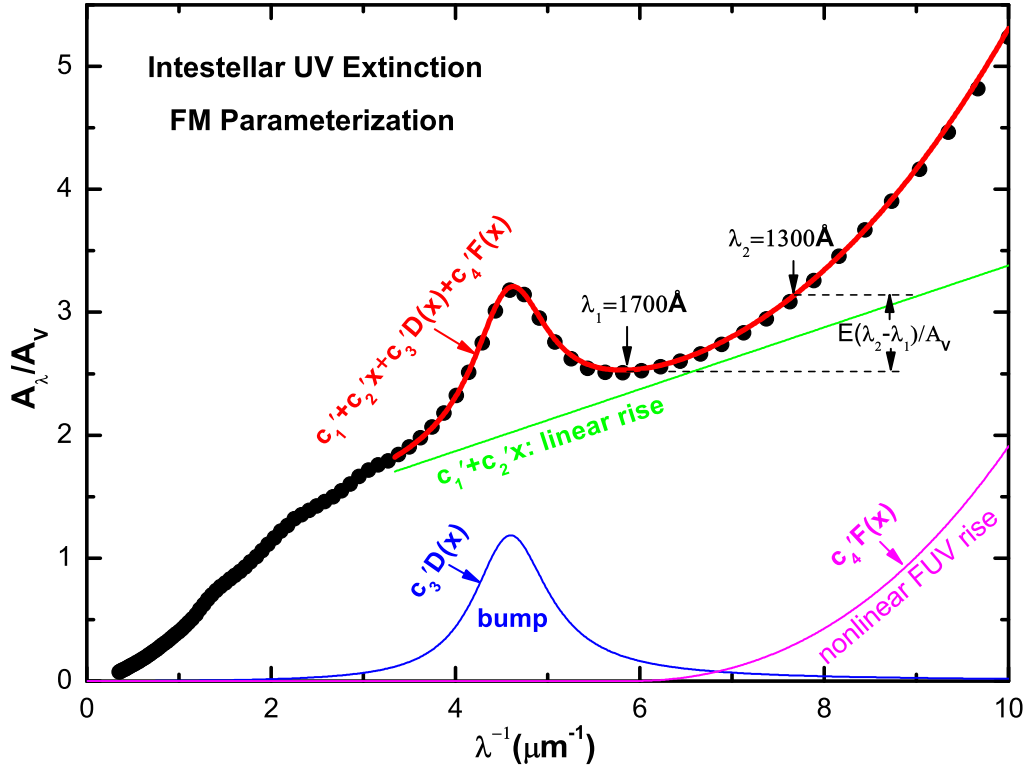


Fig. 1.— Interstellar extinction curve expressed as A_λ/A_V . The black circles are computed from the CCM parametrization (Cardelli et al. 1989). The red line is the FM parametrization at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ (Fitzpatrick & Massa 1990; see eq. 3) which is the sum of a linear “background” extinction (green line), a Drude bump of width γ peaking at $\lambda = 2175 \text{ \AA}$ or $\lambda^{-1} \approx 4.6 \mu\text{m}^{-1}$ (blue line), and a nonlinear FUV rise (purple line) at $\lambda^{-1} > 5.9 \mu\text{m}^{-1}$. In the literature, the UV extinction is often “measured” by c'_2 , c'_4 , or $E(1300 - 1700)$. The color excess $E(1300 - 1700) \equiv A(1300 \text{ \AA}) - A(1700 \text{ \AA})$ is the difference between the extinction at $\lambda = 1300 \text{ \AA}$ and that at $\lambda = 1700 \text{ \AA}$.

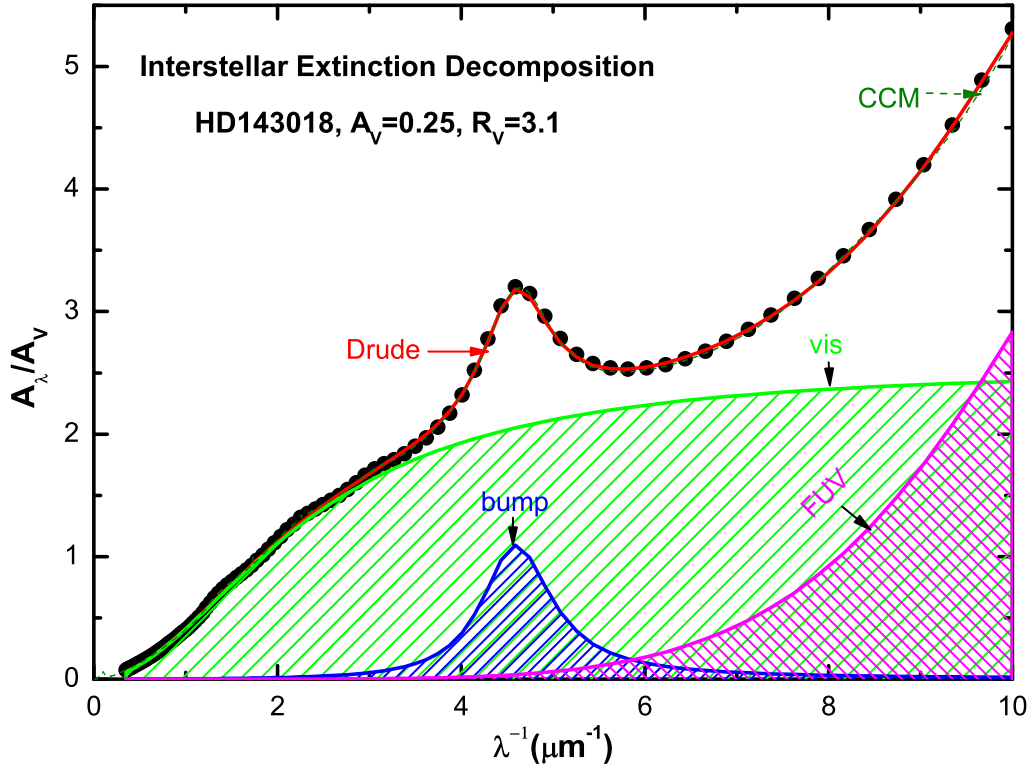


Fig. 2.— Decomposition of the extinction curve (black circles) observed toward HD143018 into three components: the visual component (green line), the bump component (blue line), and the FUV component (purple line). Each component is represented by a Drude function. The solid red line labelled with “Drude” is the sum of all these three Drude components. The dashed green line is the CCM fit with $R_V = 3.1$. We propose to take the shaded area under each extinction component as a measure of the quantity of its carrier (see §3).

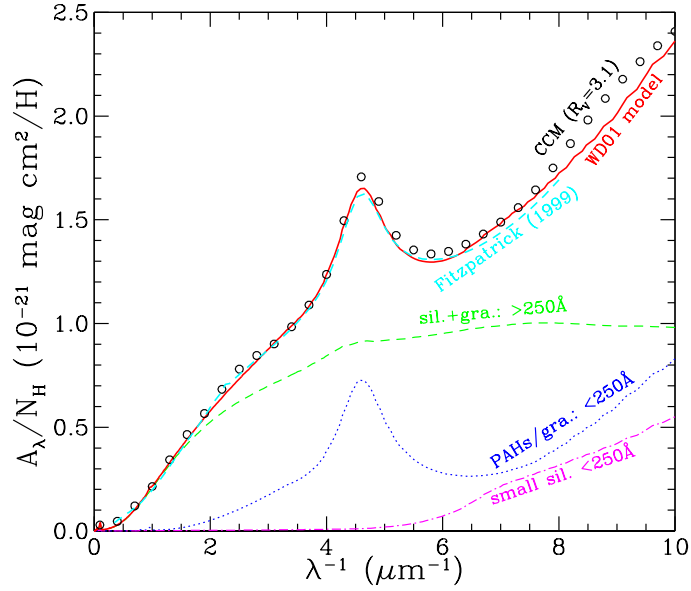


Fig. 3.— Comparison of the extinction curve of the WD01 silicate-graphite-PAH model (solid red line) with the Galactic average extinction represented by the CCM parametrization of $R_V = 3.1$ (black open circles) and the Fitzpatrick (1999) formula (cyan dashed line). The WD01 model extinction is separated into three components: the extinction caused by “classical” silicate and graphite grains of radii $a > 250 \text{ \AA}$ (green dashed line), the extinction produced by PAHs or ultrasmall graphitic grains of radii $a < 250 \text{ \AA}$ (blue dotted line), and the extinction arising from ultrasmall silicate grains of radii $a < 250 \text{ \AA}$.

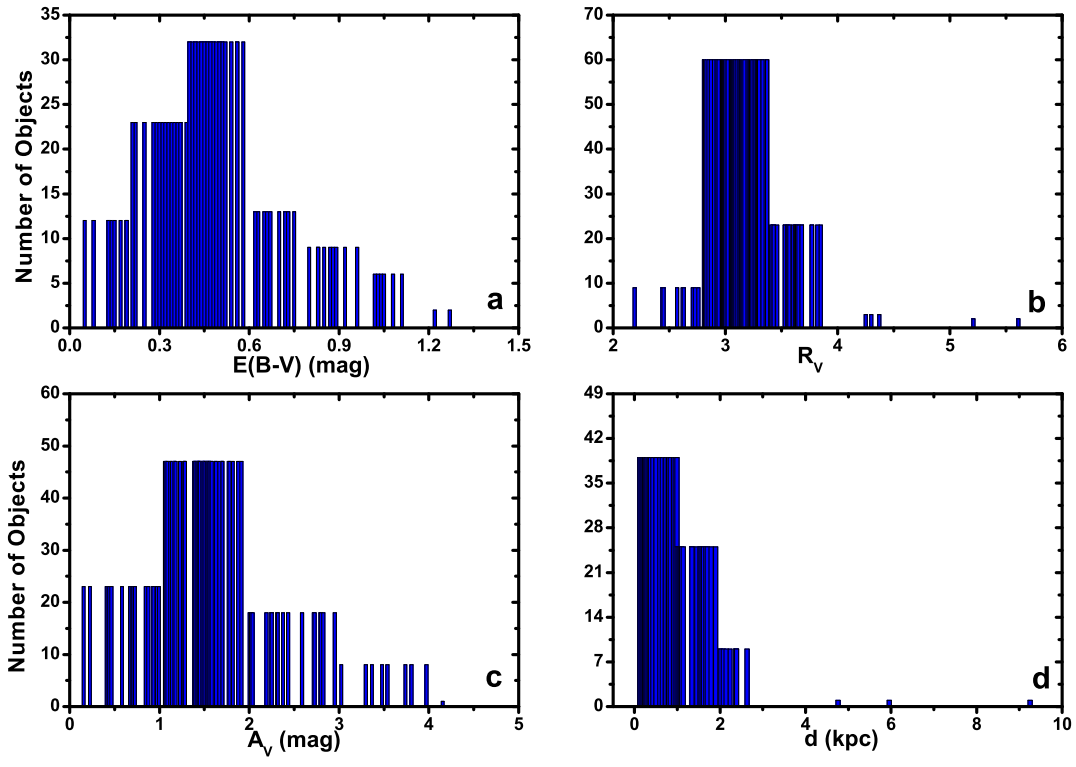


Fig. 4.— Histogram of (a) the reddening $E(B - V)$, (b) the total-to-selective extinction ratio R_V , (c) the visual extinction A_V , and (d) the distance d from Earth to the cloud for 97 lines of sight.

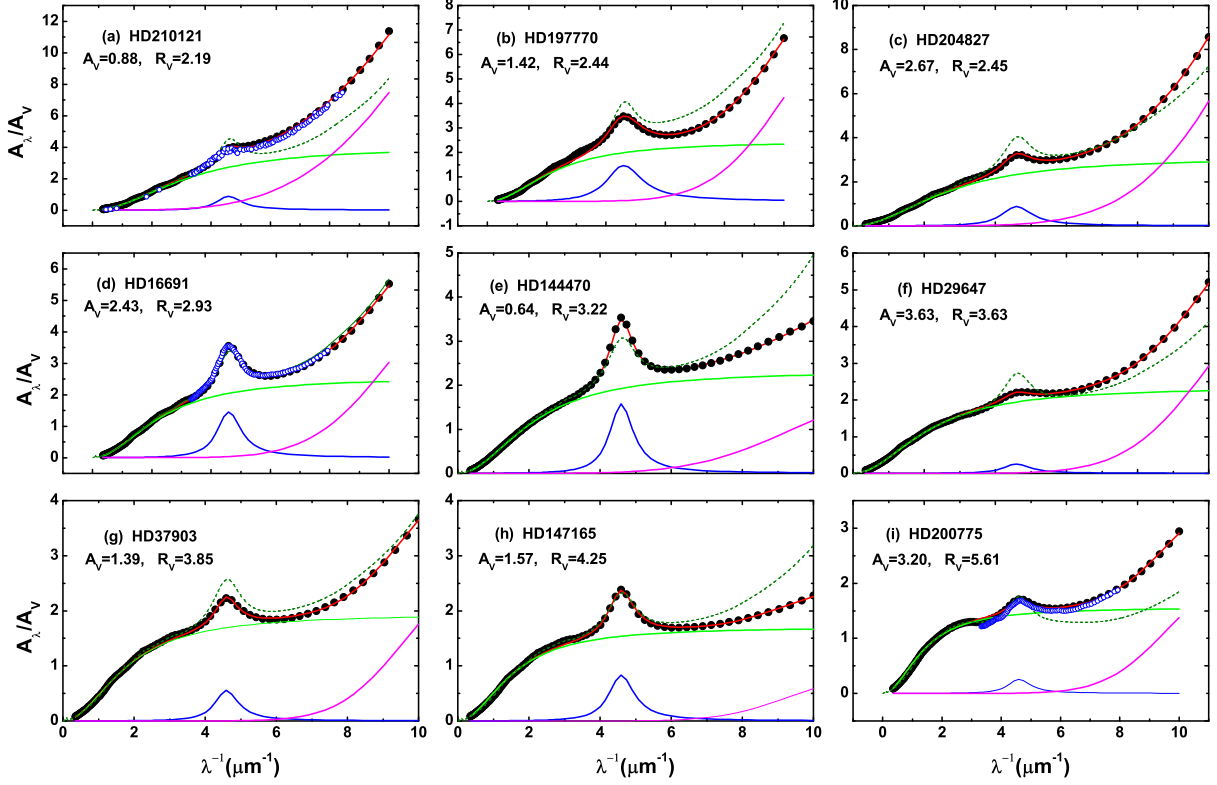


Fig. 5.— Decomposing the “observed” extinction curves (black circles) of nine representative lines of sight into three Drude-like components: the near-IR/visual component (solid green line), the 2175 Å bump (solid blue line), and the FUV rise (solid magenta line). The solid red line is the sum of all these three components. The dashed green line is calculated from the CCM parametrization with the corresponding R_V value observationally determined for that specific line of sight. The observed extinction curves of the selected nine lines of sight range from normal-looking CCM-type curves (e.g., d: HD 16691 with $R_V = 2.93$) to curves which substantially deviate from the CCM representation by showing a very steep FUV rise (e.g., a: HD 210121) or a flat FUV rise (e.g., h: HD 147165, i: HD 200775). These lines of sight also have widely varying bump strengths, ranging from very weak bumps (e.g., a: HD 210121, f: HD 29647, i: HD 200775) to bumps stronger than the CCM representation (e.g., e: HD 144470). Note that the “observed” extinction curves shown here are not really the original observational data, but approximated by the FM parametrization at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ and the CCM parametrization at $\lambda^{-1} < 3.3 \mu\text{m}^{-1}$. For illustration, we also show the original IUE data (blue circles) for three representative lines of sight: HD 210121 (a), HD 16691 (d), and HD 200775 (i).

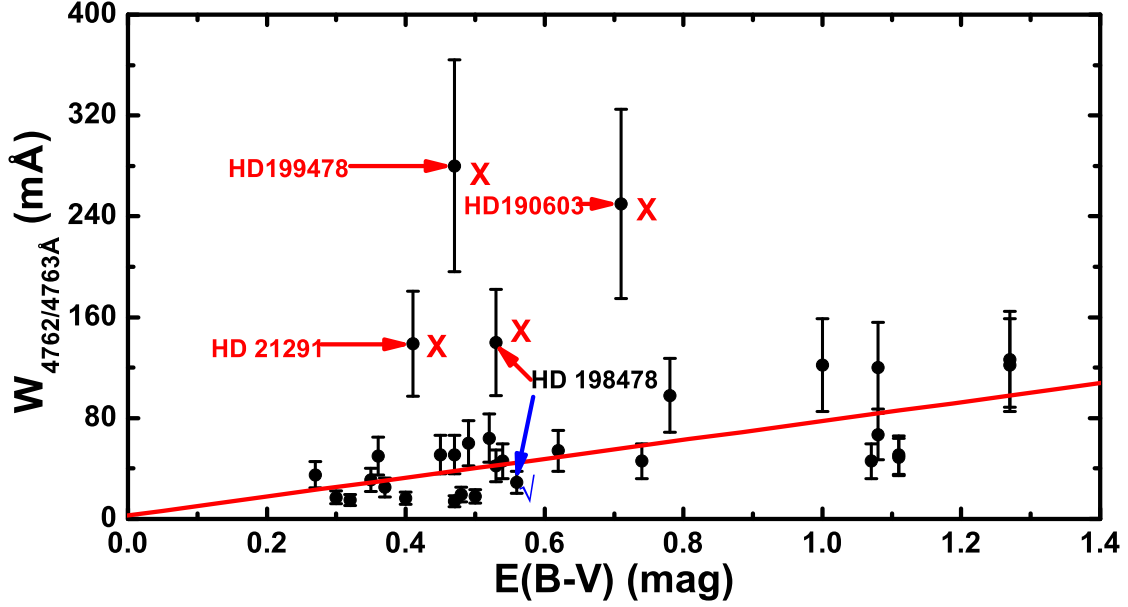


Fig. 6.— $W_{4762 \text{ \AA}}$ vs. $E(B - V)$. The $\lambda 4762/4763 \text{ \AA}$ DIB has been observed only once in HD 21291, HD 190603, and HD 199478. The reported EWs for these three sightlines (Herbig 1975) are not adopted (denoted by red “ \times ”) since they deviate from the $W_{\text{DIB}} - E(B - V)$ linear relation (red line) by more than 3σ . This DIB has been observed twice in HD 198478 (Herbig 1975, Thorburn et al. 2003). The one measured by Thorburn et al. (2003) is adopted (denoted by blue “ \checkmark ”) since their EW is within 3σ of that given by the $W_{\text{DIB}} - E(B - V)$ linear relation, while the one determined by Herbig (1975) is not adopted (denoted by red “ \times ”) since it deviates from the $W_{\text{DIB}} - E(B - V)$ linear relation by more than 3σ . Note that, following Friedman et al. (2011), the best-fit red line has not been constrained to go through the origin.

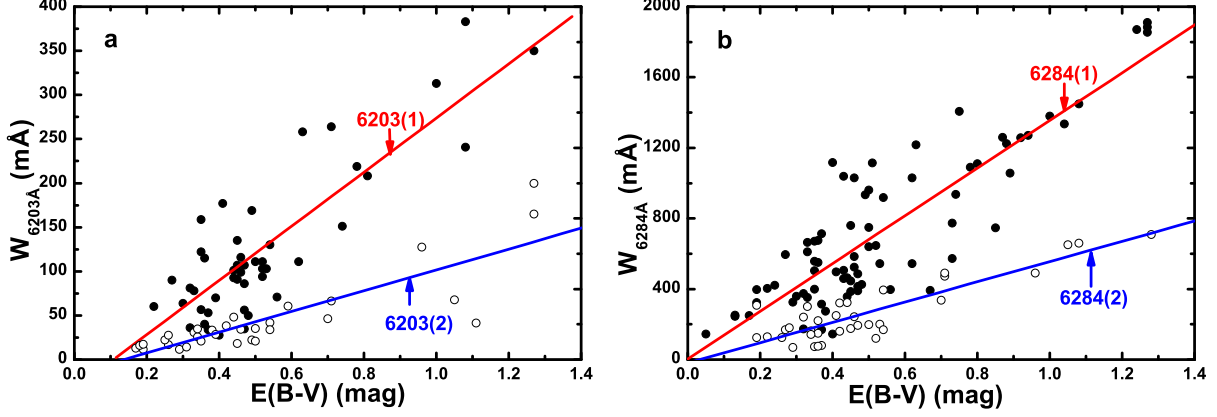


Fig. 7.— Left panel (a): $W_{6203\text{\AA}}$ vs. $E(B-V)$. The EW data for this DIB appear to fall into two groups (open and filled circles) each of which exhibit a different proportionality between $W_{6203\text{\AA}}$ and $E(B-V)$. We label them “6203(1)” and “6203(2)”. Following Friedman et al. (2011), the best-fit line has not been constrained to go through the origin. Right panel (b): Same as (a) but for the $\lambda 6284\text{\AA}$ DIB.

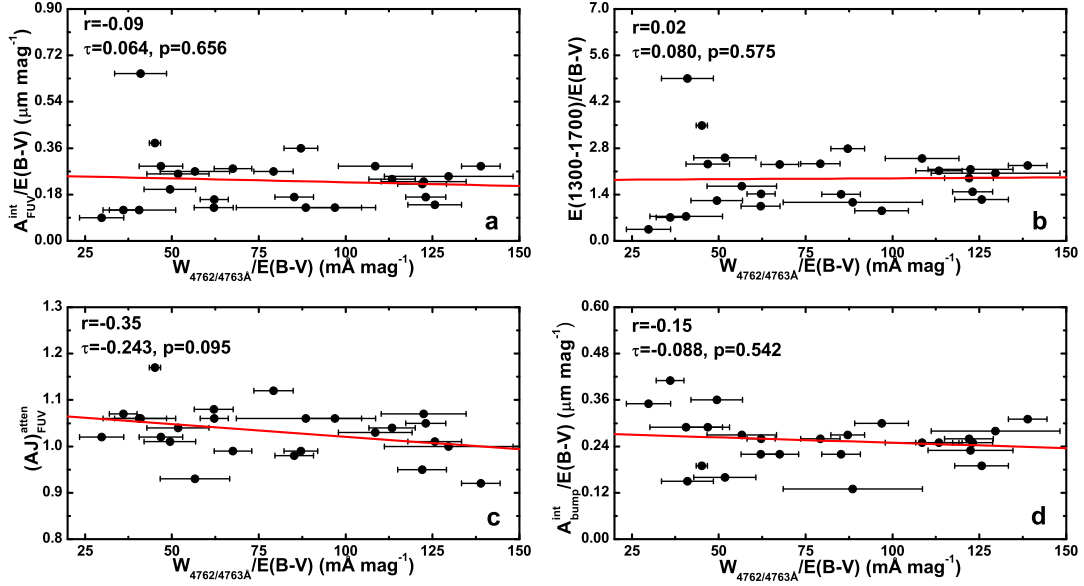


Fig. 8.— Correlation diagrams of the $\lambda 4762\text{\AA}/4763\text{\AA}$ DIB with (a) $A_{\text{FUV}}^{\text{int}}$, (b) $E(1300-1700)$, (c) $(AJ)_{\text{FUV}}^{\text{atten}}$, and (d) $A_{\text{bump}}^{\text{int}}$. All quantities are normalized to $E(B-V)$.

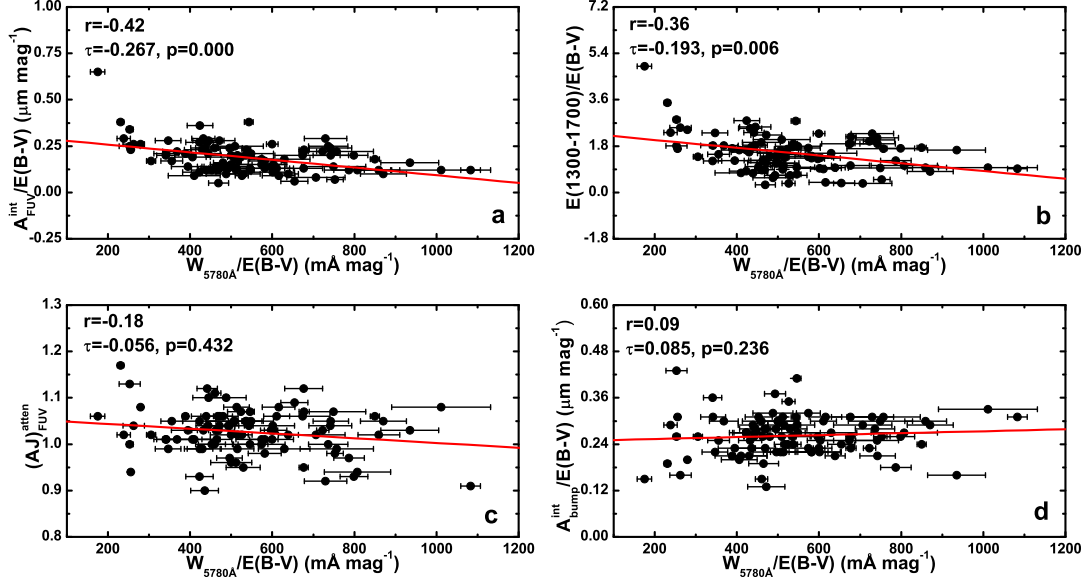


Fig. 9.— Same as Figure 8 but for the $\lambda 5780 \text{ Å}$ DIB.

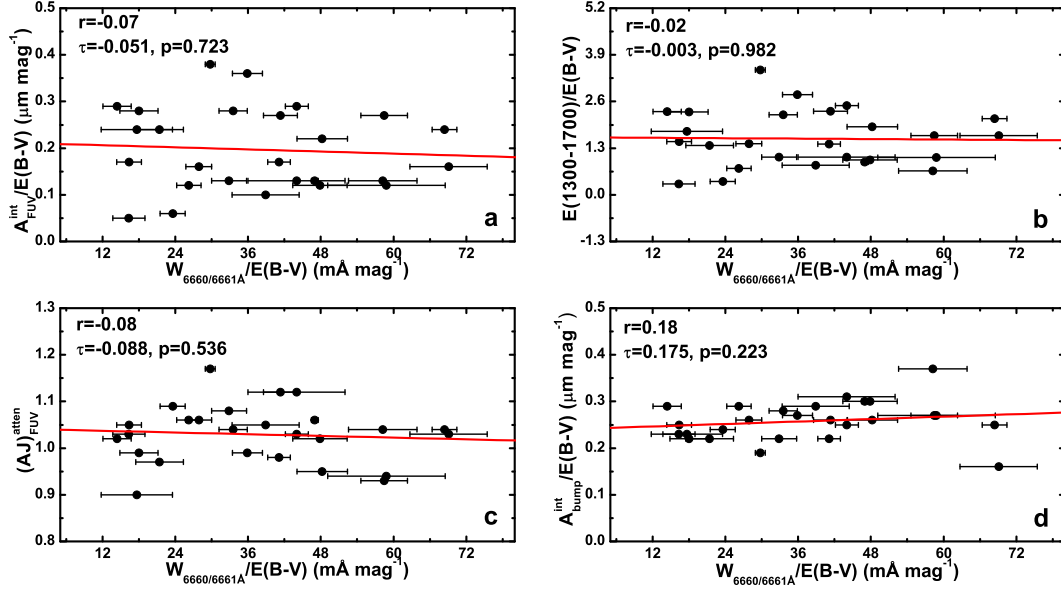


Fig. 10.— Same as Figure 8 but for the $\lambda 6660 \text{ Å}/6661 \text{ Å}$ DIB.

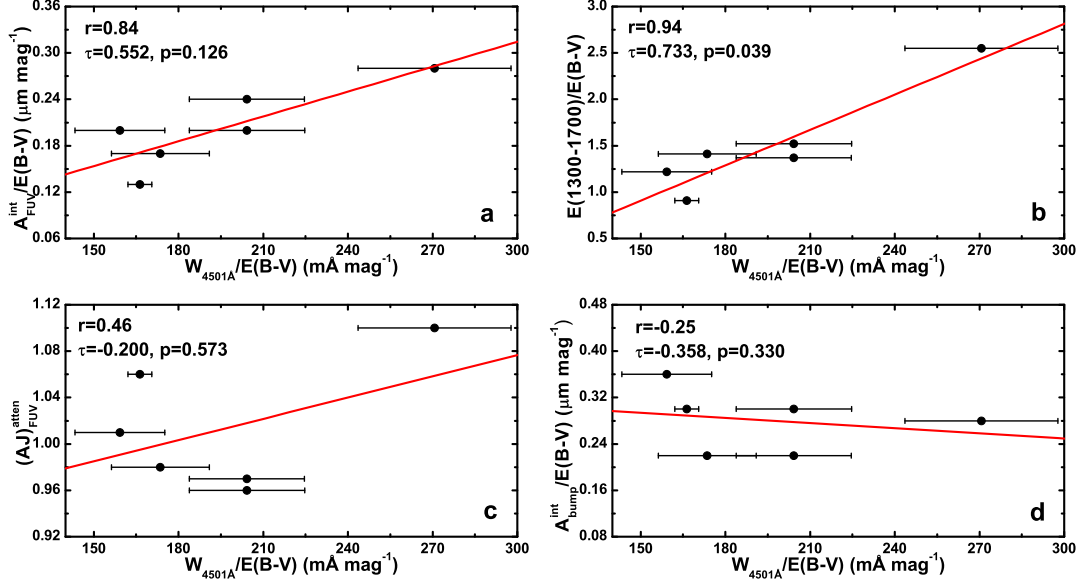


Fig. 11.— Same as Figure 8 but for the $\lambda 4501 \text{ \AA}$ DIB.

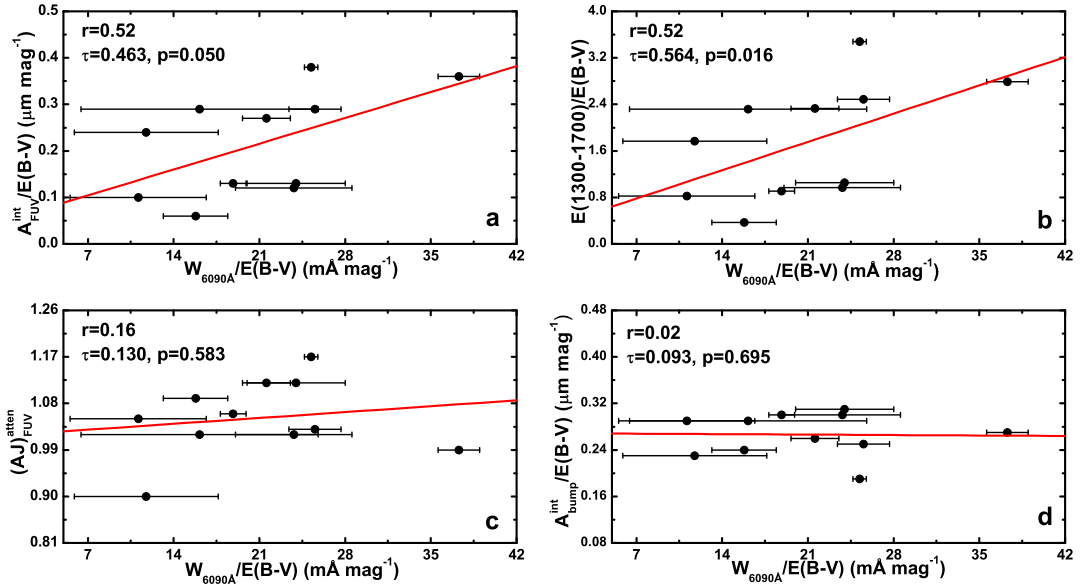


Fig. 12.— Same as Figure 8 but for the $\lambda 6090 \text{ \AA}$ DIB.

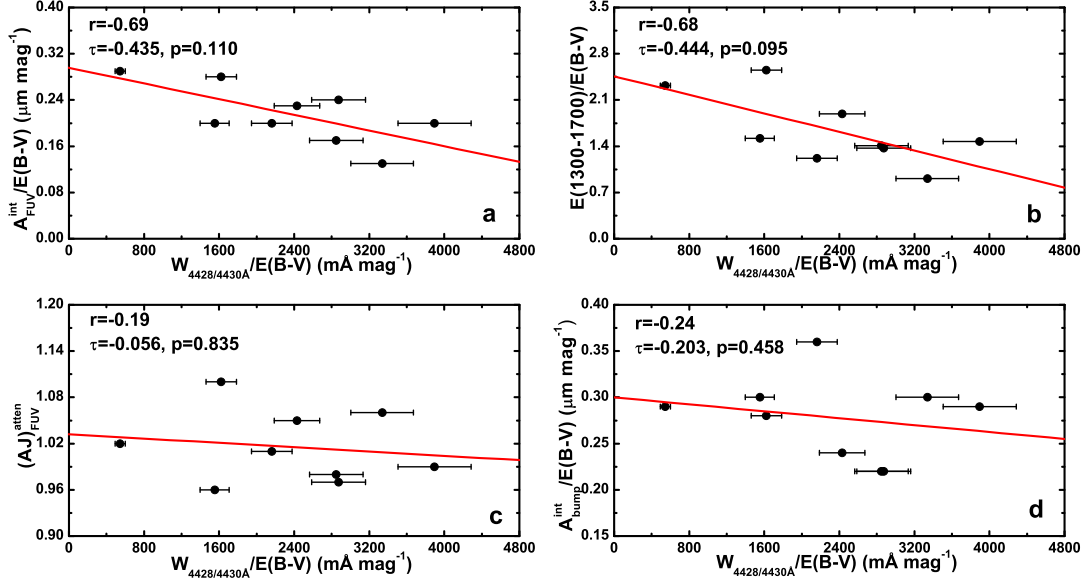


Fig. 13.— Same as Figure 8 but for the $\lambda 4428/4430 \text{ \AA}$ DIB.

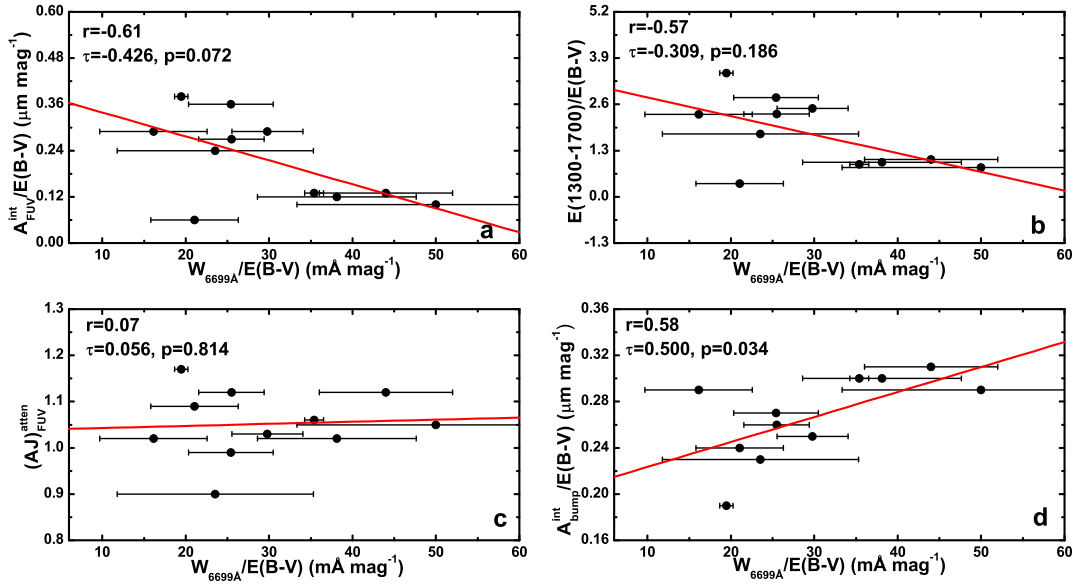


Fig. 14.— Same as Figure 8 but for the $\lambda 6699 \text{ \AA}$ DIB.

Table 1. Color Excess $E(B - V)$ and the Total-to-Selective Extinction Ratio R_V for Each Sightline as well as the FM Parameters Which Fit the Observed Extinction Curve at $\lambda^{-1} > 3.3 \mu\text{m}^{-1}$ for a Given Sightline.

HD/BD	$E(B - V)$ (mag)	R_V	c_1	c_2	c_3	γ (μm)	x_0 (μm)	c_4
2905	0.33 ⁽¹⁾	3.26 ⁽²⁾	0.39 (3)	0.62 (3)	2.04 (3)	0.79 (3)	4.579 ⁽³⁾	0.44 (3)
15558	0.75 ⁽⁴⁾	3.09 ⁽²⁾	0.41 (3)	0.59 (3)	3.46 (3)	0.94 (3)	4.590 ⁽³⁾	0.44 (3)
15570	1.02 ⁽⁵⁾	3.30 ⁽²⁾	0.51 (3)	0.61 (3)	3.34 (3)	0.95 (3)	4.599 ⁽³⁾	0.54 (3)
15629	0.72 ⁽⁶⁾	3.21 ⁽²⁾	-0.04 (3)	0.63 (3)	3.50 (3)	0.91 (3)	4.587 ⁽³⁾	0.43 (3)
16691	0.83 ⁽⁴⁾	2.93 ⁽⁷⁾	-0.20 (3)	0.73 (3)	3.97 (3)	0.95 (3)	4.575 ⁽³⁾	0.48 (3)
21291	0.42 ⁽⁸⁾	3.43 ⁽²⁾	0.26 (3)	0.68 (3)	4.98 (3)	1.07 (3)	4.539 ⁽³⁾	1.00 (3)
21483	0.56 ⁽¹⁾	2.90 ⁽⁹⁾	-0.41 (9)	0.89 (9)	2.85 (9)	1.10 (9)	4.62 (9)	0.57 (9)
23060	0.32 ⁽¹⁰⁾	3.02 ⁽²⁾	1.96 (3)	0.22 (3)	4.17 (3)	1.06 (3)	4.557 ⁽³⁾	0.42 (3)
27778	0.37 ⁽¹⁾	2.63 ⁽⁹⁾	-0.79 (9)	0.94 (9)	3.57 (9)	1.18 (9)	4.61 (9)	0.72 (9)
29647	1.03 ⁽⁵⁾	3.63 ⁽¹¹⁾	0.005 ⁽¹¹⁾	0.813 ⁽¹¹⁾	3.84 (11)	1.58 (11)	4.650 ⁽¹¹⁾	0.717 ⁽¹¹⁾
30614	0.30 ⁽¹⁾	2.83 ⁽²⁾	-1.11 (3)	0.91 (3)	3.21 (3)	0.94 (3)	4.555 ⁽³⁾	0.14 (3)
+31643	0.85 ⁽⁴⁾	3.21 ⁽⁷⁾	0.39 (3)	0.51 (3)	5.37 (3)	1.28 (3)	4.613 ⁽³⁾	0.58 (3)
34078	0.52 ⁽¹⁾	3.27 ⁽²⁾	0.473 ⁽¹²⁾	0.571 ⁽¹²⁾	4.15 (12)	1.09 (12)	4.589 ⁽¹²⁾	0.52 (12)
36879	0.50 ⁽⁴⁾	3.00 ⁽⁷⁾	0.31 (3)	0.62 (3)	2.38 (3)	0.76 (3)	4.577 ⁽³⁾	0.28 (3)
37367	0.43 ⁽⁴⁾	2.98 ⁽⁹⁾	0.84 (3)	0.53 (3)	4.28 (3)	0.94 (3)	4.574 ⁽³⁾	0.32 (3)
37903	0.36 ⁽¹³⁾	3.85 ⁽⁹⁾	1.27 (9)	0.35 (9)	2.25 (9)	0.97 (9)	4.63 (9)	0.49 (9)
38087	0.29 ⁽¹⁾	5.21 ⁽²⁾	1.137 ⁽¹²⁾	0.230 ⁽¹²⁾	4.508 ⁽¹²⁾	1.026 ⁽¹²⁾	4.563 ⁽¹²⁾	0.311 ⁽¹²⁾
38131	0.51 ⁽⁴⁾	3.05 ⁽²⁾	-0.50 (3)	0.78 (3)	4.00 (3)	0.95 (3)	4.586 ⁽³⁾	0.37 (3)
40893	0.46 ⁽¹⁾	3.37 ⁽¹⁴⁾	0.26 (3)	0.66 (3)	3.13 (3)	0.83 (3)	4.591 ⁽³⁾	0.55 (3)
41117	0.45 ⁽¹⁾	3.28 ⁽²⁾	-0.38 (3)	0.81 (3)	3.64 (3)	0.97 (3)	4.621 ⁽³⁾	0.56 (3)
42087	0.36 ⁽¹⁾	3.16 ⁽²⁾	-1.28 (3)	0.87 (3)	4.36 (3)	1.05 (3)	4.636 ⁽³⁾	0.53 (3)
46056	0.50 ⁽¹⁾	3.06 ⁽²⁾	-0.527 ⁽¹²⁾	0.857 ⁽¹²⁾	3.032 ⁽¹²⁾	0.932 ⁽¹²⁾	4.611 ⁽¹²⁾	0.541 ⁽¹²⁾
46106	0.42 ⁽¹⁵⁾	3.41 ⁽²⁾	0.71 (3)	0.62 (3)	3.48 (3)	0.92 (3)	4.593 ⁽³⁾	0.47 (3)
46150	0.46 ⁽¹⁶⁾	3.24 ⁽²⁾	0.30 (3)	0.65 (3)	3.32 (3)	0.93 (3)	4.575 ⁽³⁾	0.59 (3)
46202	0.49 ⁽¹⁾	3.23 ⁽²⁾	0.11 (3)	0.75 (3)	2.72 (3)	0.86 (3)	4.591 ⁽³⁾	0.59 (3)
46223	0.48 ⁽¹⁷⁾	3.22 ⁽²⁾	0.05 (3)	0.70 (3)	2.88 (3)	0.90 (3)	4.587 ⁽³⁾	0.60 (3)
47129	0.34 ⁽⁸⁾	3.77 ⁽¹⁸⁾	-1.07 (3)	0.95 (3)	4.27 (3)	1.05 (3)	4.536 ⁽³⁾	0.46 (3)
47240	0.34 ⁽⁸⁾	2.73 ⁽¹⁴⁾	0.04 (3)	0.79 (3)	2.87 (3)	0.86 (3)	4.569 ⁽³⁾	0.44 (3)
48099	0.28 ⁽¹⁶⁾	3.55 ⁽²⁾	-0.856 ⁽¹²⁾	0.874 ⁽¹²⁾	2.979 ⁽¹²⁾	0.831 ⁽¹²⁾	4.575 ⁽¹²⁾	0.339 ⁽¹²⁾
48434	0.21 ⁽¹⁷⁾	3.20 ⁽²⁾	-1.37 (3)	1.10 (3)	4.22 (3)	1.05 (3)	4.587 ⁽³⁾	0.52 (3)
53974	0.31 ⁽¹³⁾	3.01 ⁽¹⁴⁾	-0.14 (3)	0.79 (3)	3.57 (3)	0.92 (3)	4.606 ⁽³⁾	0.43 (3)
+60497	0.89 ⁽⁴⁾	3.14 ⁽²⁾	0.43 (3)	0.59 (3)	3.71 (3)	0.98 (3)	4.602 ⁽³⁾	0.72 (3)
+60594	0.62 ⁽¹⁰⁾	2.87 ⁽¹⁴⁾	-0.28 (3)	0.76 (3)	3.77 (3)	0.95 (3)	4.588 ⁽³⁾	0.48 (3)
99872	0.34 ⁽¹⁷⁾	3.20 ⁽¹⁹⁾	0.101 ⁽¹⁹⁾	0.488 ⁽¹⁹⁾	5.830 ⁽¹⁹⁾	1.180 ⁽¹⁹⁾	4.59 (19)	0.360 ⁽¹⁹⁾
122879	0.34 ⁽⁸⁾	3.29 ⁽²⁾	-0.24 (3)	0.58 (3)	4.35 (3)	1.00 (3)	4.554 ⁽³⁾	0.34 (3)
123008	0.63 ⁽⁴⁾	3.23 ⁽⁷⁾	-0.24 (3)	0.68 (3)	2.77 (3)	0.88 (3)	4.575 ⁽³⁾	0.22 (3)
142096	0.19 ⁽⁴⁾	3.82 ⁽⁹⁾	1.23 (9)	0.29 (9)	2.47 (9)	0.87 (9)	4.59 (9)	0.07 (9)
142165	0.14 ⁽²⁰⁾	3.08 ⁽⁹⁾	0.73 (9)	0.49 (9)	2.63 (9)	0.85 (9)	4.61 (9)	0.23 (9)
142315	0.13 ⁽²¹⁾	3.37 ⁽⁹⁾	0.98 (9)	0.38 (9)	2.66 (9)	0.85 (9)	4.57 (9)	0.29 (9)
142378	0.19 ⁽²⁰⁾	3.64 ⁽⁹⁾	1.51 (9)	0.41 (9)	0.91 (9)	0.63 (9)	4.64 (9)	0.09 (9)
143018	0.05 ⁽¹⁾	3.1 (22)	-0.07 (22)	0.70 (22)	3.23 (22)	0.99 (22)	4.596 ⁽²²⁾	0.41 (22)
143275	0.17 ⁽¹⁾	3.43 ⁽²²⁾	-1.291 ⁽²²⁾	0.86 (22)	2.59 (22)	0.77 (22)	4.555 ⁽²²⁾	0.224 ⁽²²⁾
143567	0.15 ⁽²⁰⁾	2.76 ⁽⁹⁾	0.12 (9)	0.51 (9)	3.53 (9)	0.92 (9)	4.59 (9)	0.24 (9)
144217	0.19 ⁽¹⁾	3.68 ⁽²²⁾	1.068 ⁽²²⁾	0.384 ⁽²²⁾	2.732 ⁽²²⁾	0.661 ⁽²²⁾	4.502 ⁽²²⁾	0.322 ⁽²²⁾
144470	0.22 ⁽¹⁾	3.22 ⁽²²⁾	0.097 ⁽²²⁾	0.652 ⁽²²⁾	3.428 ⁽²²⁾	0.813 ⁽²²⁾	4.536 ⁽²²⁾	0.121 ⁽²²⁾
145502	0.25 ⁽²⁰⁾	2.90 ⁽²²⁾	1.278 ⁽²²⁾	0.496 ⁽²²⁾	3.575 ⁽²²⁾	0.898 ⁽²²⁾	4.526 ⁽²²⁾	0.339 ⁽²²⁾
145554	0.19 ⁽²⁰⁾	3.65 ⁽⁹⁾	0.76 (9)	0.33 (9)	3.54 (9)	0.95 (9)	4.58 (9)	0.24 (9)
146001	0.13 ⁽²⁰⁾	3.53 ⁽⁹⁾	0.12 (9)	0.43 (9)	6.00 (9)	1.26 (9)	4.54 (9)	0.30 (9)
146029	0.13 ⁽²¹⁾	3.56 ⁽⁹⁾	1.85 (9)	0.18 (9)	3.30 (9)	0.88 (9)	4.57 (9)	0.62 (9)
146416	0.08 ⁽²⁰⁾	2.81 ⁽⁹⁾	0.45 (9)	0.44 (9)	3.08 (9)	0.89 (9)	4.53 (9)	0.76 (9)
147165	0.40 ⁽¹³⁾	4.25 ⁽²²⁾	1.456 ⁽²²⁾	0.293 ⁽²²⁾	2.769 ⁽²²⁾	0.825 ⁽²²⁾	4.572 ⁽²²⁾	0.145 ⁽²²⁾
147701	0.66 ⁽²⁰⁾	3.60 ⁽²⁾	1.290 ⁽¹²⁾	0.329 ⁽¹²⁾	3.581 ⁽¹²⁾	1.135 ⁽¹²⁾	4.615 ⁽¹²⁾	0.888 ⁽¹²⁾
147888	0.47 ⁽¹⁾	3.77 ⁽²⁾	1.611 ⁽¹²⁾	0.133 ⁽¹²⁾	3.823 ⁽¹²⁾	1.022 ⁽¹²⁾	4.587 ⁽¹²⁾	0.339 ⁽¹²⁾
147889	1.08 ⁽¹⁶⁾	3.68 ⁽²⁾	1.57 (3)	0.11 (3)	4.91 (3)	1.12 (3)	4.613 ⁽³⁾	0.88 (3)
147933	0.47 ⁽¹³⁾	4.30 ⁽²²⁾	0.894 ⁽²²⁾	0.395 ⁽²²⁾	2.832 ⁽²²⁾	0.872 ⁽²²⁾	4.592 ⁽²²⁾	0.173 ⁽²²⁾
149757	0.32 ⁽¹⁾	2.92 ⁽²⁾	-0.802 ⁽¹²⁾	0.900 ⁽¹²⁾	5.84 (12)	1.383 ⁽¹²⁾	4.595 ⁽¹²⁾	0.563 ⁽¹²⁾
152233	0.45 ⁽⁴⁾	3.42 ⁽²⁾	-0.12 (3)	0.74 (3)	3.67 (3)	1.00 (3)	4.569 ⁽³⁾	0.45 (3)
152236	0.65 ⁽¹⁷⁾	3.46 ⁽²⁾	-0.51 (3)	0.85 (3)	3.71 (3)	1.06 (3)	4.622 ⁽³⁾	0.38 (3)
152246	0.44 ⁽¹⁷⁾	3.17 ⁽¹⁴⁾	-0.11 (3)	0.72 (3)	3.40 (3)	0.96 (3)	4.559 ⁽³⁾	0.22 (3)
152247	0.44 ⁽⁴⁾	3.15 ⁽²⁾	-0.26 (3)	0.81 (3)	3.51 (3)	0.95 (3)	4.567 ⁽³⁾	0.47 (3)
152248	0.45 ⁽⁴⁾	3.62 ⁽²³⁾	-0.11 (3)	0.74 (3)	3.10 (3)	0.93 (3)	4.568 ⁽³⁾	0.35 (3)
152249	0.46 ⁽⁴⁾	3.22 ⁽²⁾	-0.44 ⁽³⁾	0.74 (3)	3.98 (3)	1.02 (3)	4.565 ⁽³⁾	0.26 (3)
154445	0.39 ⁽⁸⁾	3.15 ⁽²⁾	1.48 (3)	0.24 (3)	4.91 (3)	1.05 (3)	4.567 ⁽³⁾	0.51 (3)
162978	0.35 ⁽¹⁾	3.64 ⁽²⁾	0.37 (3)	0.56 (3)	3.22 (3)	0.95 (3)	4.583 ⁽³⁾	0.17 (3)
164492	0.32 ⁽²⁴⁾	4.37 ⁽²⁾	0.92 (3)	0.26 (3)	4.59 (3)	1.08 (3)	4.572 ⁽³⁾	0.28 (3)
164794	0.33 ⁽¹⁷⁾	3.57 ⁽²⁾	1.09 (3)	0.37 (3)	3.98 (3)	0.99 (3)	4.562 ⁽³⁾	0.45 (3)

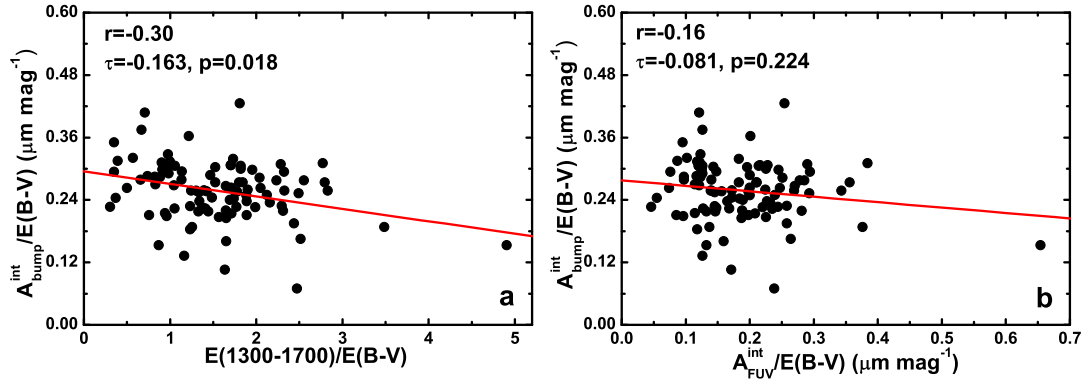


Fig. 15.— Correlation diagrams of the 2175 Å extinction bump ($A_{\text{bump}}^{\text{int}}$) with the FUV extinction: (a) $A_{\text{bump}}^{\text{int}}$ vs. $E(1300 - 1700)$; (b) $A_{\text{bump}}^{\text{int}}$ vs. $A_{\text{FUV}}^{\text{int}}$.

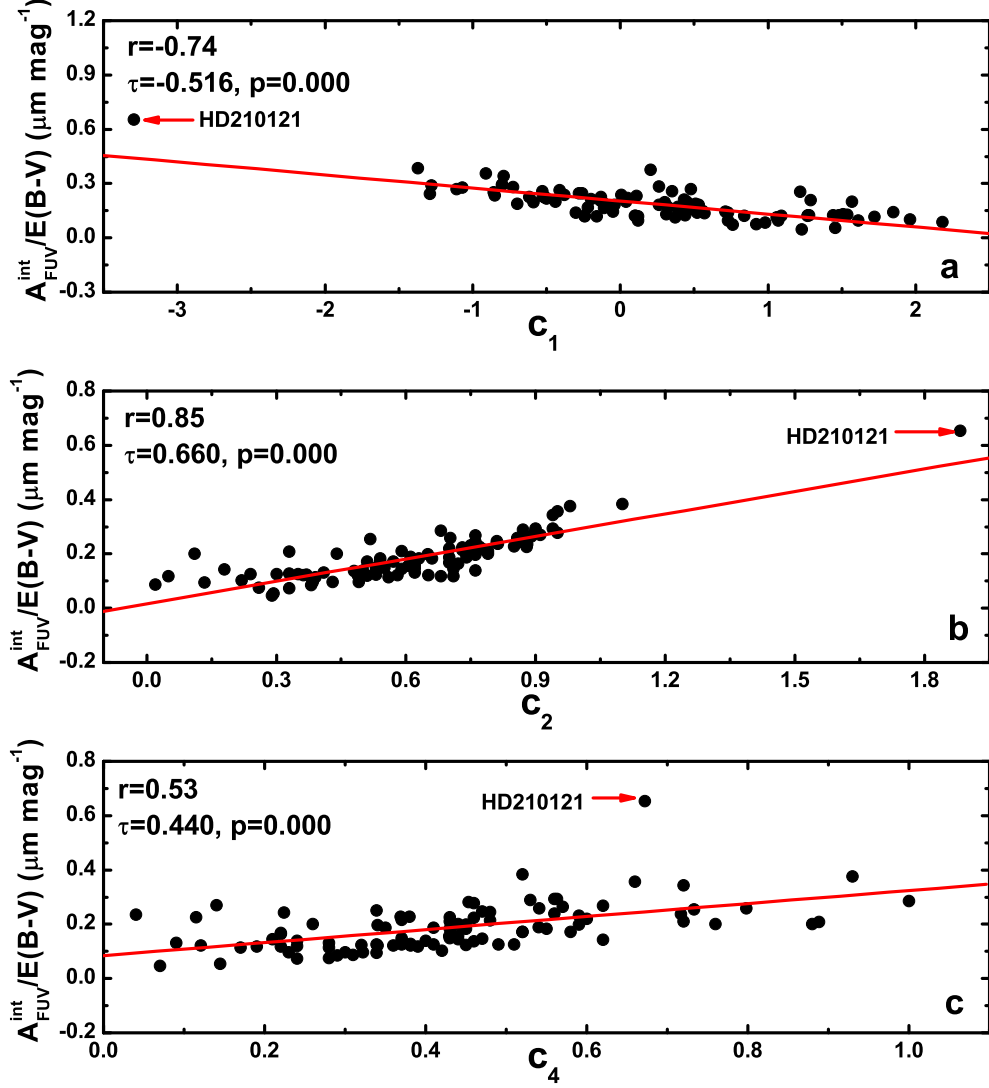


Fig. 16.— Correlation diagrams of the wavelength-integrated FUV extinction ($A_{\text{FUV}}^{\text{int}}$) with the FM parameters c_1 (a), c_2 (b), and c_4 (c). The extinction curve of the line of sight toward HD 210121 ($R_V \approx 2.1$) is characterized by a very steep FUV rise and a weak 2175 Å bump (see Figure 5, also see Larson et al. 1996, Li & Greenberg 1998).

Table 1—Continued

HD/BD	$E(B - V)$ (mag)	R_V	c_1	c_2	c_3	γ (μm)	x_0 (μm)	c_4
165052	0.44 ⁽⁴⁾	3.43 ⁽²⁾	1.06 ⁽³⁾	0.39 ⁽³⁾	3.47 ⁽³⁾	0.96 ⁽³⁾	4.554 ⁽³⁾	0.28 ⁽³⁾
167971	1.05 ⁽⁸⁾	3.37 ⁽¹⁹⁾	1.538 ⁽¹⁹⁾	0.330 ⁽¹⁹⁾	2.811 ⁽¹⁹⁾	0.808 ⁽¹⁹⁾	4.557 ⁽¹⁹⁾	0.381 ⁽¹⁹⁾
168076	0.80 ⁽⁴⁾	3.53 ⁽²⁾	0.57 ⁽³⁾	0.48 ⁽³⁾	2.85 ⁽³⁾	0.93 ⁽³⁾	4.595 ⁽³⁾	0.46 ⁽³⁾
168112	1.04 ⁽⁴⁾	3.17 ⁽²⁾	0.73 ⁽³⁾	0.50 ⁽³⁾	2.98 ⁽³⁾	0.86 ⁽³⁾	4.595 ⁽³⁾	0.37 ⁽³⁾
183143	1.27 ⁽¹⁾	3.27 ⁽²⁾	1.44 ⁽³⁾	0.30 ⁽³⁾	3.63 ⁽³⁾	0.93 ⁽³⁾	4.605 ⁽³⁾	0.41 ⁽³⁾
185418	0.50 ⁽¹⁾	3.33 ⁽¹⁴⁾	1.266 ⁽¹²⁾	0.362 ⁽¹²⁾	3.941 ⁽¹²⁾	0.927 ⁽¹²⁾	4.579 ⁽¹²⁾	0.381 ⁽¹²⁾
190603	0.72 ⁽⁵⁾	3.12 ⁽²⁾	-0.85 ⁽³⁾	0.88 ⁽³⁾	2.86 ⁽³⁾	0.92 ⁽³⁾	4.630 ⁽³⁾	0.04 ⁽³⁾
192281	0.73 ⁽⁴⁾	2.57 ⁽⁷⁾	-0.13 ⁽³⁾	0.77 ⁽³⁾	3.50 ⁽³⁾	0.95 ⁽³⁾	4.585 ⁽³⁾	0.43 ⁽³⁾
193322	0.41 ⁽¹⁶⁾	2.85 ⁽²⁾	-0.617 ⁽¹²⁾	0.879 ⁽¹²⁾	2.264 ⁽¹²⁾	0.856 ⁽¹²⁾	4.613 ⁽¹²⁾	0.115 ⁽¹²⁾
193682	0.83 ⁽⁴⁾	2.71 ⁽⁷⁾	-0.16 ⁽³⁾	0.71 ⁽³⁾	4.95 ⁽³⁾	1.05 ⁽³⁾	4.563 ⁽³⁾	0.19 ⁽³⁾
197770	0.58 ⁽²⁵⁾	2.44 ⁽¹⁹⁾	1.217 ⁽¹⁹⁾	0.517 ⁽¹⁹⁾	5.359 ⁽¹⁹⁾	1.233 ⁽¹⁹⁾	4.616 ⁽¹⁹⁾	0.733 ⁽¹⁹⁾
198478	0.54 ⁽¹⁾	3.14 ⁽²⁾	-0.22 ⁽³⁾	0.70 ⁽³⁾	3.12 ⁽³⁾	0.90 ⁽³⁾	4.603 ⁽³⁾	0.22 ⁽³⁾
199216	0.73 ⁽⁴⁾	2.62 ⁽²³⁾	-0.526 ⁽²³⁾	0.762 ⁽²³⁾	3.517 ⁽²³⁾	0.936 ⁽²³⁾	4.590 ⁽²³⁾	0.369 ⁽²³⁾
199478	0.48 ⁽¹³⁾	2.97 ⁽²⁾	-0.59 ⁽³⁾	0.76 ⁽³⁾	4.13 ⁽³⁾	1.01 ⁽³⁾	4.603 ⁽³⁾	0.34 ⁽³⁾
199579	0.37 ⁽¹⁾	2.87 ⁽²⁾	-0.725 ⁽¹²⁾	0.898 ⁽¹²⁾	2.923 ⁽¹²⁾	0.997 ⁽¹²⁾	4.606 ⁽¹²⁾	0.453 ⁽¹²⁾
200775	0.62 ⁽¹³⁾	5.61 ⁽⁷⁾	0.32 ⁽³⁾	0.54 ⁽³⁾	2.50 ⁽³⁾	1.09 ⁽³⁾	4.610 ⁽³⁾	0.52 ⁽³⁾
203938	0.70 ⁽⁸⁾	3.13 ⁽²³⁾	0.495 ⁽²³⁾	0.605 ⁽²³⁾	3.673 ⁽²³⁾	1.012 ⁽²³⁾	4.558 ⁽²³⁾	0.429 ⁽²³⁾
204827	1.11 ⁽¹⁾	2.45 ⁽⁹⁾	0.206 ⁽²⁶⁾	0.980 ⁽²⁶⁾	1.703 ⁽²⁶⁾	0.91 ⁽²⁶⁾	4.66 ⁽²⁶⁾	0.929 ⁽²⁶⁾
206165	0.47 ⁽¹⁾	3.07 ⁽²⁾	-0.80 ⁽³⁾	0.94 ⁽³⁾	4.06 ⁽³⁾	1.05 ⁽³⁾	4.606 ⁽³⁾	0.56 ⁽³⁾
206267	0.51 ⁽⁶⁾	2.82 ⁽²²⁾	0.479 ⁽²²⁾	0.761 ⁽²²⁾	2.876 ⁽²²⁾	0.910 ⁽²²⁾	4.59 ⁽²²⁾	0.620 ⁽²²⁾
207198	0.56 ⁽¹⁰⁾	2.82 ⁽²⁾	-0.91 ⁽³⁾	0.95 ⁽³⁾	3.13 ⁽³⁾	0.94 ⁽³⁾	4.596 ⁽³⁾	0.66 ⁽³⁾
209339	0.37 ⁽⁴⁾	3.15 ⁽¹⁴⁾	-0.30 ⁽³⁾	0.76 ⁽³⁾	4.38 ⁽³⁾	1.02 ⁽³⁾	4.580 ⁽³⁾	0.24 ⁽³⁾
210121	0.40 ⁽¹⁾	2.19 ⁽⁹⁾	-3.296 ⁽¹⁹⁾	1.882 ⁽¹⁹⁾	1.91 ⁽¹⁹⁾	1.09 ⁽¹⁹⁾	4.611 ⁽¹⁹⁾	0.672 ⁽¹⁹⁾
216532	0.87 ⁽⁴⁾	3.21 ⁽¹⁴⁾	0.52 ⁽¹⁹⁾	0.53 ⁽¹⁹⁾	4.47 ⁽¹⁹⁾	1.08 ⁽¹⁹⁾	4.583 ⁽¹⁹⁾	0.40 ⁽¹⁹⁾
216898	0.88 ⁽⁴⁾	2.94 ⁽²⁾	0.56 ⁽³⁾	0.53 ⁽³⁾	3.88 ⁽³⁾	0.98 ⁽³⁾	4.59 ⁽³⁾	0.37 ⁽³⁾
217086	0.92 ⁽⁴⁾	3.21 ⁽²⁾	0.44 ⁽³⁾	0.49 ⁽³⁾	4.17 ⁽³⁾	1.01 ⁽³⁾	4.603 ⁽³⁾	0.37 ⁽³⁾
229196	1.22 ⁽²⁴⁾	3.12 ⁽⁷⁾	-0.05 ⁽³⁾	0.71 ⁽³⁾	3.79 ⁽³⁾	1.08 ⁽³⁾	4.558 ⁽³⁾	0.21 ⁽³⁾
239729	0.67 ⁽⁴⁾	2.99 ⁽²⁶⁾	0.351 ⁽²⁶⁾	0.702 ⁽²⁶⁾	3.22 ⁽²⁶⁾	1.08 ⁽²⁶⁾	4.61 ⁽²⁶⁾	0.798 ⁽²⁶⁾
242908	0.62 ⁽⁴⁾	2.93 ⁽⁷⁾	0.53 ⁽³⁾	0.54 ⁽³⁾	2.94 ⁽³⁾	0.90 ⁽³⁾	4.598 ⁽³⁾	0.45 ⁽³⁾
303308	0.46 ⁽²⁷⁾	3.15 ⁽⁷⁾	0.40 ⁽³⁾	0.55 ⁽³⁾	2.91 ⁽³⁾	0.94 ⁽³⁾	4.570 ⁽³⁾	0.43 ⁽³⁾
+631964	0.96 ⁽⁸⁾	3.15 ⁽¹⁴⁾	-0.51 ⁽³⁾	0.73 ⁽³⁾	3.29 ⁽³⁾	0.91 ⁽³⁾	4.612 ⁽³⁾	0.46 ⁽³⁾

Data for E(B-V) are taken from ⁽¹⁾ Friedman et al. (2011); ⁽²⁾ Wegner (2003); ⁽³⁾ Jenniskens & Greenberg (1993); ⁽⁴⁾ Désert et al. (1995); ⁽⁵⁾ Sonnentruher et al. (1997); ⁽⁶⁾ Krelowski et al. (1999); ⁽⁷⁾ Aiello et al. (1988); ⁽⁸⁾ Megier et al. (2005); ⁽⁹⁾ Fitzpatrick & Massa (2005); ⁽¹⁰⁾ Galazutdinov et al. (2004); ⁽¹¹⁾ Wittet et al. (2004); ⁽¹²⁾ Fitzpatrick & Massa (1990); ⁽¹³⁾ Josafatsson & Snow (1987); ⁽¹⁴⁾ Geminale (2006); ⁽¹⁵⁾ Seab & Snow (1984); ⁽¹⁶⁾ Herbig (1993); ⁽¹⁷⁾ Weselak et al. (2008); ⁽¹⁸⁾ Gordon et al (2009); ⁽¹⁹⁾ Sofia et al. (2005); ⁽²⁰⁾ Vos et al. (2011); ⁽²¹⁾ Raimond et al. (2012); ⁽²²⁾ Lewis et al. (2005); ⁽²³⁾ Valencic et al. (2004); ⁽²⁴⁾ Herbig (2000); ⁽²⁵⁾ Cox et al. (2007); ⁽²⁶⁾ Valencic et al. (2003); ⁽²⁷⁾ Benvenuti & Porceddu (1989).

Table 2. Parameters for Fitting the Extinction Curve of Each Sightline with Three Drude-Like Functions. Also Tabulated Are the Integrated Extinction of the Visual Component ($A_{\text{VIS}}^{\text{int}}$), the Bump ($A_{\text{bump}}^{\text{int}}$), the FUV Component ($A_{\text{FUV}}^{\text{int}}$), and χ^2 , the measure of the goodness of the decompositional fit (see eq. 10).

HD/BD	a_1	a_2	a_3	a_4	a_5	a_6	a_7	a_8	λ_{VIS} (μm)	λ_{FUV} (μm)	$A_{\text{VIS}}^{\text{int}}$ (μm)	$A_{\text{bump}}^{\text{int}}$ (μm)	$A_{\text{FUV}}^{\text{int}}$ (μm)	χ^2
2905	2.0	100.0	241.775	-1.975	0.022	7.656	4.703	23.567	0.046	0.080	1.331	0.049	0.049	0.479
15558	2.0	95.0	235.507	-1.960	0.047	8.784	9.258	39.088	0.046	0.080	1.329	0.082	0.047	0.525
15570	2.0	110.0	250.737	-1.960	0.040	7.478	3.525	23.589	0.046	0.080	1.319	0.073	0.057	0.405
15629	2.0	105.0	245.173	-1.960	0.051	6.219	1.351	14.028	0.046	0.080	1.319	0.085	0.057	0.474
16691	2.0	90.0	229.627	-1.955	0.065	6.366	3.252	27.718	0.046	0.076	1.329	0.104	0.073	0.544
21291	2.0	110.0	250.553	-1.960	0.044	8.784	15.000	111.363	0.046	0.075	1.318	0.081	0.083	0.417
21483	2.0	80.0	221.249	-1.955	0.034	5.874	0.973	15.782	0.046	0.082	1.353	0.057	0.091	0.655
23060	2.0	130.0	268.767	-1.940	0.071	9.520	12.770	42.000	0.046	0.078	1.302	0.106	0.034	1.673
27778	2.0	75.0	213.911	-1.920	0.083	5.420	0.897	30.041	0.046	0.075	1.348	0.098	0.131	0.698
29647	2.0	105.0	247.407	-1.960	0.010	7.478	3.252	25.681	0.046	0.080	1.331	0.019	0.066	0.628
30614	2.0	88.0	226.624	-1.953	0.065	3.928	2.007	13.440	0.046	0.072	1.326	0.094	0.095	0.575
+31643	2.0	110.0	249.655	-1.935	0.060	8.105	4.487	30.168	0.046	0.080	1.313	0.081	0.054	0.439
34078	2.0	110.0	250.503	-1.950	0.045	7.478	3.252	21.783	0.046	0.080	1.317	0.075	0.053	0.415
36879	2.0	90.0	231.210	-1.974	0.034	6.900	3.525	15.773	0.046	0.080	1.338	0.073	0.044	0.562
37367	2.0	100.0	239.768	-1.960	0.060	7.478	3.820	17.044	0.046	0.080	1.320	0.110	0.041	0.602
37903	2.0	150.0	291.900	-1.970	0.017	9.520	10.033	32.330	0.046	0.080	1.316	0.034	0.033	0.435
38087	2.0	190.0	271.821	-1.950	0.037	8.784	7.881	12.475	0.060	0.080	1.383	0.060	0.017	5.145
38131	2.0	96.0	235.739	-1.960	0.060	5.420	1.454	17.101	0.046	0.075	1.324	0.101	0.071	0.495
40893	2.0	105.0	246.103	-1.971	0.034	8.105	10.033	53.186	0.046	0.075	1.324	0.072	0.055	0.452
41117	2.0	100.0	240.628	-1.960	0.044	6.366	1.708	18.543	0.046	0.080	1.325	0.076	0.073	0.496
42087	2.0	100.0	239.100	-1.950	0.071	5.420	1.054	17.101	0.046	0.080	1.316	0.098	0.092	0.500
46056	2.0	90.0	230.697	-1.960	0.044	5.874	1.054	17.100	0.046	0.080	1.335	0.075	0.084	0.555
46106	2.0	105.0	246.381	-1.970	0.029	9.520	13.843	45.109	0.046	0.080	1.325	0.064	0.043	0.474
46150	2.0	100.0	241.280	-1.970	0.032	7.478	3.525	25.608	0.046	0.080	1.328	0.065	0.061	0.482
46202	2.0	100.0	240.819	-1.960	0.040	6.900	3.001	23.620	0.046	0.080	1.326	0.073	0.072	0.668
46223	2.0	100.0	240.820	-1.960	0.040	6.900	2.001	21.800	0.046	0.080	1.326	0.070	0.068	0.474
47129	2.0	125.0	265.107	-1.950	0.047	5.420	1.238	12.397	0.046	0.080	1.310	0.074	0.074	0.444
47240	2.0	75.0	215.506	-1.960	0.051	6.366	1.852	18.542	0.046	0.080	1.358	0.091	0.073	0.691
48099	2.0	120.0	260.146	-1.960	0.047	5.420	2.175	13.439	0.046	0.080	1.311	0.080	0.071	0.393
48434	2.0	105.0	243.996	-1.945	0.065	4.614	1.142	20.090	0.046	0.073	1.312	0.097	0.120	0.445
53974	2.0	90.0	230.319	-1.960	0.051	5.874	0.897	13.441	0.046	0.080	1.333	0.091	0.070	0.540
+60497	2.0	100.0	240.023	-1.950	0.056	8.784	8.542	53.354	0.046	0.080	1.322	0.087	0.067	0.503
+60594	2.0	90.0	229.554	-1.955	0.065	5.420	1.054	18.541	0.046	0.076	1.329	0.104	0.085	0.584
99872	2.0	110.0	249.069	-1.945	0.071	8.105	10.874	41.664	0.046	0.075	1.310	0.098	0.038	0.416
122879	2.0	100.0	240.244	-1.960	0.051	8.105	5.712	23.959	0.046	0.080	1.323	0.081	0.037	0.534
123008	2.0	95.0	236.440	-1.970	0.029	6.900	3.820	13.456	0.046	0.080	1.334	0.055	0.035	0.650
142096	2.0	170.0	310.620	-1.960	0.034	6.900	5.271	4.682	0.046	0.080	1.314	0.059	0.012	0.951
142165	2.0	100.0	241.141	-1.970	0.034	7.478	4.863	14.575	0.046	0.080	1.328	0.068	0.031	0.559
142315	2.0	120.0	261.144	-1.970	0.032	9.520	11.785	19.463	0.046	0.080	1.316	0.063	0.025	0.469
142378	2.0	165.0	306.208	-1.970	0.020	3.928	2.007	4.720	0.046	0.070	1.315	0.042	0.036	1.390
143018	2.0	90.0	230.707	-1.960	0.044	5.874	0.764	13.441	0.046	0.080	1.335	0.066	0.060	0.579
143275	2.0	110.0	250.556	-1.975	0.034	4.258	0.764	9.738	0.046	0.075	1.318	0.066	0.071	0.424
143567	2.0	90.0	229.055	-1.955	0.077	6.366	2.555	13.444	0.046	0.080	1.326	0.111	0.043	0.777
144217	2.0	140.0	281.153	-1.982	0.029	8.784	7.881	18.385	0.046	0.080	1.313	0.077	0.026	0.393
144470	2.0	105.0	245.347	-1.970	0.047	5.420	2.175	7.058	0.046	0.080	1.320	0.094	0.038	0.428
145502	2.0	100.0	240.015	-1.960	0.056	7.478	5.712	23.744	0.046	0.077	1.322	0.106	0.043	0.821
145554	2.0	145.0	285.220	-1.960	0.044	9.520	12.773	21.423	0.046	0.080	1.308	0.072	0.020	0.482
146001	2.0	130.0	269.391	-1.940	0.060	8.784	8.542	22.716	0.046	0.080	1.305	0.079	0.027	0.332
146029	2.0	170.0	309.732	-1.960	0.047	10.318	16.261	51.509	0.046	0.080	1.310	0.085	0.040	1.707
146416	2.0	90.0	229.901	-1.960	0.060	9.520	11.785	87.693	0.046	0.080	1.331	0.094	0.071	0.781
147165	2.0	190.0	324.861	-1.965	0.029	8.784	10.874	9.345	0.047	0.080	1.323	0.057	0.013	1.090
147701	2.0	145.0	285.634	-1.950	0.037	10.318	17.623	84.361	0.046	0.080	1.310	0.059	0.058	0.649
147888	2.0	190.0	306.232	-1.932	0.071	8.105	13.843	40.715	0.050	0.070	1.322	0.093	0.025	3.732
147889	2.0	180.0	296.001	-1.930	0.077	9.520	16.261	88.835	0.050	0.076	1.315	0.099	0.055	3.353
147933	2.0	185.0	303.484	-1.960	0.037	5.420	1.852	4.718	0.050	0.080	1.329	0.066	0.027	1.759
149757	2.0	90.0	228.663	-1.920	0.083	5.420	1.454	23.600	0.046	0.075	1.324	0.101	0.101	0.537
152233	2.0	110.0	250.349	-1.950	0.047	6.900	3.525	20.080	0.046	0.080	1.317	0.075	0.058	0.424
152236	2.0	110.0	250.482	-1.950	0.044	5.420	0.987	10.551	0.046	0.080	1.317	0.069	0.066	0.437
152246	2.0	100.0	240.538	-1.960	0.044	5.001	0.764	7.058	0.046	0.080	1.324	0.075	0.052	0.454
152247	2.0	100.0	240.368	-1.960	0.047	5.420	0.764	12.389	0.046	0.080	1.323	0.084	0.078	0.457
152248	2.0	120.0	260.963	-1.960	0.034	5.874	1.454	10.546	0.046	0.080	1.315	0.061	0.052	0.342
152249	2.0	110.0	249.498	-1.950	0.060	5.001	1.054	8.985	0.046	0.080	1.312	0.090	0.062	0.412
154445	2.0	140.0	277.853	-1.940	0.083	9.520	10.874	33.092	0.046	0.080	1.297	0.119	0.040	1.441
162978	2.0	130.0	271.037	-1.965	0.032	5.420	0.973	5.115	0.046	0.080	1.313	0.059	0.031	0.290
164492	2.0	200.0	328.150	-1.950	0.044	9.520	10.874	13.585	0.048	0.080	1.327	0.067	0.017	1.522
164794	2.0	140.0	280.045	-1.955	0.047	9.520	10.874	36.488	0.046	0.080	1.307	0.080	0.034	0.487

Table 2—Continued

HD/BD	a_1	a_2	a_3	a_4	a_5	a_6	a_7	a_8	λ_{VIS} (μm)	λ_{FUV} (μm)	$A_{\text{VIS}}^{\text{int}}$ (μm)	$A_{\text{bump}}^{\text{int}}$ (μm)	$A_{\text{FUV}}^{\text{int}}$ (μm)	χ^2
165052	2.0	140.0	280.034	-1.955	0.047	6.366	1.576	8.292	0.046	0.080	1.307	0.079	0.033	0.746
167971	2.0	140.0	280.839	-1.965	0.034	6.900	1.852	11.428	0.046	0.080	1.311	0.066	0.038	1.071
168076	2.0	120.0	261.287	-1.965	0.029	8.784	7.272	29.574	0.046	0.080	1.317	0.053	0.039	0.342
168112	2.0	110.0	250.549	-1.965	0.044	7.478	4.863	20.062	0.046	0.080	1.318	0.081	0.044	0.536
183143	2.0	140.0	279.795	-1.960	0.051	7.478	3.252	15.744	0.046	0.080	1.306	0.091	0.038	1.261
185418	2.0	140.0	278.598	-1.955	0.071	8.105	5.712	19.925	0.046	0.080	1.301	0.122	0.036	0.849
190603	2.0	100.0	239.422	-1.960	0.044	3.625	1.054	6.009	0.046	0.078	1.318	0.072	0.075	0.456
192281	2.0	75.0	214.235	-1.950	0.077	5.420	1.054	20.093	0.046	0.075	1.350	0.117	0.088	0.822
193322	2.0	85.0	225.038	-1.960	0.044	3.928	0.897	8.291	0.046	0.075	1.338	0.073	0.079	0.599
193682	2.0	75.0	214.312	-1.950	0.077	6.366	4.140	18.544	0.046	0.075	1.350	0.116	0.043	0.663
197770	2.0	95.0	230.466	-1.900	0.146	6.900	3.820	44.929	0.046	0.076	1.301	0.174	0.104	2.004
198478	2.0	100.0	240.869	-1.970	0.037	5.001	0.897	7.649	0.046	0.080	1.326	0.071	0.054	0.500
199216	2.0	80.0	218.749	-1.950	0.083	5.001	0.764	17.100	0.046	0.075	1.338	0.117	0.087	0.781
199478	2.0	90.0	229.297	-1.950	0.071	5.420	0.764	11.441	0.046	0.080	1.327	0.102	0.066	0.553
199579	2.0	85.0	225.220	-1.950	0.051	5.001	0.973	18.541	0.046	0.075	1.339	0.076	0.098	0.591
200775	2.0	190.0	297.031	-1.960	0.010	8.105	6.191	17.540	0.053	0.080	1.353	0.019	0.031	1.418
203938	2.0	100.0	240.250	-1.950	0.051	8.105	7.272	30.254	0.046	0.080	1.323	0.082	0.050	0.477
204827	2.0	80.0	249.020	-1.950	0.044	5.874	1.576	48.687	0.042	0.072	1.379	0.077	0.154	1.101
206165	2.0	90.0	230.455	-1.960	0.047	5.420	1.238	21.781	0.046	0.075	1.334	0.082	0.095	0.572
206267	2.0	90.0	230.311	-1.955	0.051	5.874	1.142	20.089	0.046	0.078	1.333	0.091	0.095	0.737
207198	2.0	86.0	225.461	-1.950	0.065	5.001	0.897	32.560	0.046	0.070	1.333	0.097	0.126	0.595
209339	2.0	90.0	230.545	-1.960	0.047	6.366	2.768	12.401	0.046	0.080	1.334	0.082	0.044	0.634
210121	2.0	60.0	243.975	-1.950	0.044	3.928	1.852	92.690	0.040	0.055	1.449	0.070	0.299	1.008
216532	2.0	110.0	249.900	-1.950	0.056	7.478	3.525	18.548	0.046	0.080	1.314	0.087	0.044	0.439
216898	2.0	100.0	239.496	-1.950	0.065	6.366	1.142	12.407	0.046	0.080	1.319	0.100	0.050	0.654
217086	2.0	110.0	249.645	-1.950	0.060	8.105	5.712	23.794	0.046	0.080	1.313	0.091	0.039	0.440
229196	2.0	95.0	235.460	-1.950	0.047	5.420	0.973	7.649	0.046	0.080	1.329	0.073	0.046	0.496
239729	2.0	90.0	230.916	-1.950	0.040	7.478	5.712	57.381	0.046	0.075	1.337	0.065	0.086	0.566
242908	2.0	90.0	274.760	-1.955	0.071	8.105	10.874	66.802	0.040	0.075	1.368	0.109	0.062	1.266
303308	2.0	95.0	235.508	-1.955	0.047	8.105	8.542	41.977	0.046	0.077	1.329	0.075	0.049	0.545
+631964	2.0	100.0	240.199	-1.960	0.051	5.874	1.342	15.781	0.046	0.080	1.323	0.082	0.071	0.458

Table 3. Sources for the Equivalent Widths of the 4428/4430 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{4428/4430}$ (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{4428/4430}$ (mÅ) This Work
21291	0.41	665.0	\checkmark	Herbig (1975)	0.41	665.0 \pm 66.5
147889	1.08	2335.0	\checkmark	Herbig (1975)	1.08	2335.0 \pm 233.5
149757	0.33	180.0	\checkmark	Tüg & Schmidt-Kaler (1981)	0.33	180.0 \pm 18.0
152236	0.65	1580.0	\checkmark	Tüg & Schmidt-Kaler (1981)	0.65	1580.0 \pm 158.0
152249	0.48	1870.0	\checkmark	Tüg & Schmidt-Kaler (1981)	0.48	1870.0 \pm 187.0
183143	1.27	4240.0	\checkmark	Tüg & Schmidt-Kaler (1981)	1.27	4240.0 \pm 424.0
183143	1.27	5700.0 \pm 43.3	\times	Hobbs et al. (2009)		
190603	0.71	2040.0	\checkmark	Herbig (1975)	0.71	2040.0 \pm 204.0
198478	0.53	1510.0	\checkmark	Herbig (1975)	0.53	1510.0 \pm 151.0
199478	0.47	730.0	\checkmark	Herbig (1975)	0.47	730.0 \pm 73.0
204827	1.11	1221.0 \pm 40.0	\times	Hobbs et al. (2009)		

Table 4. Sources for the Equivalent Widths of the 4501 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{4501} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{4501} (mÅ) This Work
21291	0.41	111	\checkmark	Herbig (1975)	0.41	111 \pm 11.1
147889	1.08	172	\checkmark	Herbig (1975)	1.08	172 \pm 17.2
183143	1.27	211.2 \pm 5.4	\checkmark	Hobbs et al. (2009)	1.27	211.2 \pm 5.4
190603	0.71	145	\checkmark	Herbig (1975)	0.71	145 \pm 14.5
198478	0.53	92	\checkmark	Herbig (1975)	0.53	92 \pm 9.2
199478	0.47	96	\checkmark	Herbig (1975)	0.47	96 \pm 9.6
204827	1.11	31.5 \pm 3.6	\times	Hobbs et al. (2008)		

Table 5. Sources for the Equivalent Widths of the 4726 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{4726} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{4726} (mÅ) This Work
21291	0.41	63	✓	Herbig (1975)	0.41	63±6.3
147889	1.08	354	✓	Herbig (1975)	1.08	354±35.4
190603	0.71	198	✓	Herbig (1975)	0.71	198±19.8
198478	0.53	110	✓	Herbig (1975)	0.53	110±11.0
199478	0.47	130	✓	Herbig (1975)	0.47	130±13.0
204827	1.11	283.7±4.2	✓	Hobbs et al. (2008)	1.11	283.7±4.2

Table 6. Sources for the Equivalent Widths of the 4762/4763 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{4762/4763}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{4762/4763}$ (mÅ) This Work
21291	0.41	139	×	Herbig (1975)		
21483	0.56	29±5	✓	Thorburn et al. (2003)	0.56	29±5
30614	0.30	17±3	✓	Thorburn et al. (2003)	0.30	17±3
34078	0.52	64±3	✓	Thorburn et al. (2003)	0.52	64±3
37903	0.35	31±7	✓	Thorburn et al. (2003)	0.35	31±7
41117	0.45	51±3	✓	Thorburn et al. (2003)	0.45	51±3
42087	0.36	50±2	✓	Thorburn et al. (2003)	0.36	50±2
46202	0.49	60±6	✓	Thorburn et al. (2003)	0.49	60±6
48099	0.27	35±5	✓	Thorburn et al. (2003)	0.27	35±5
147888	0.47	14±3	✓	Thorburn et al. (2003)	0.47	14±3
147889	1.07	46±4	✓	Thorburn et al. (2003)	1.08	53.4±8
147889	1.08	120	✓	Herbig (1975)		
147933	0.48	19.5±5	✓	Thorburn et al. (2003)	0.48	19.5±5
149757	0.32	15±2	✓	Thorburn et al. (2003)	0.32	15±2
167971	1.08	67±6	✓	Thorburn et al. (2003)	1.08	67±6
168076	0.78	98±6	✓	Thorburn et al. (2003)	0.78	98±6
183143	1.27	126.5±3.8	✓	Hobbs et al. (2009)	1.27	123.06±9.80
183143	1.27	122±7	✓	Thorburn et al. (2003)		
185418	0.50	18±2	✓	Thorburn et al. (2003)	0.50	18±2
190603	0.71	250	×	Herbig (1975)		
198478	0.53	140	×	Herbig (1975)	0.54	46±3
198478	0.54	46±3	✓	Thorburn et al. (2003)		
199478	0.47	280	×	Herbig (1975)		
199579	0.37	25±2	✓	Thorburn et al. (2003)	0.37	25±2
203938	0.74	46±3	✓	Thorburn et al. (2003)	0.74	46±3
204827	1.11	50.8±1.6	✓	Hobbs et al. (2008)	1.11	50.10±1.80
204827	1.11	49±2	✓	Thorburn et al. (2003)		
206165	0.47	51±5	✓	Thorburn et al. (2003)	0.47	51±5
206267	0.53	42±3	✓	Thorburn et al. (2003)	0.53	42±3
207198	0.62	54±3	✓	Thorburn et al. (2003)	0.62	54±3
210121	0.40	16.4±3	✓	Thorburn et al. (2003)	0.40	16.4±3
+631964	1.00	122±7	✓	Thorburn et al. (2003)	1.00	122±7

Table 7. Sources for the Equivalent Widths of the 5487 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5487} (mÅ)	Adopt ^a “√” or Reject ^a “×”	Sources	$E(B - V)$ This Work	W_{5487} (mÅ) This Work
2905	0.33	69±3	✓	Fridman et al. (2011)	0.32	70.16±5.40
2905	0.32	78	✓	Herbig (1975)		
21291	0.41	77	✓	Herbig (1975)	0.41	77.00±7.70
21483	0.56	56±10	✓	Fridman et al. (2011)	0.56	56.00±10.00
30614	0.30	35±5	✓	Fridman et al. (2011)	0.30	35.00±5.00
34078	0.52	48±5	✓	Fridman et al. (2011)	0.52	57.91±7.00
34078	0.51	90	✓	Herbig (1975)		
37367	0.40	95±9	✓	Fridman et al. (2011)	0.40	95.00±9.00
37903	0.35	46±8	✓	Fridman et al. (2011)	0.35	46.00±8.00
40893	0.46	78±6	✓	Fridman et al. (2011)	0.46	78.00±6.00
41117	0.45	89±6	✓	Fridman et al. (2011)	0.45	89.00±6.00
42087	0.36	72±5	✓	Fridman et al. (2011)	0.36	72.00±5.00
46056	0.50	66±7	✓	Fridman et al. (2011)	0.50	66.00±7.00
46202	0.49	55±5	✓	Fridman et al. (2011)	0.49	55.00±5.00
47129	0.36	46±7	✓	Fridman et al. (2011)	0.36	46.00±7.00
48099	0.27	33±4	✓	Fridman et al. (2011)	0.27	33.00±4.00
143275	0.17	27±5	✓	Fridman et al. (2011)	0.17	27.00±5.00
144217	0.19	28±9	✓	Fridman et al. (2011)	0.19	28.00±9.00
144470	0.22	37±8	✓	Fridman et al. (2011)	0.22	37.00±8.00
145502	0.24	26±8	✓	Fridman et al. (2011)	0.24	26.00±8.00
147165	0.39	103	×	Herbig (1975)	0.41	51.00±5.00
147165	0.41	51±5	✓	Fridman et al. (2011)		
147888	0.47	45±5	✓	Fridman et al. (2011)	0.47	45.00±5.00
147889	1.08	226	✓	Herbig (1975)	1.08	226.00±22.60
147889	1.07	75±6	×	Fridman et al. (2011)		
147933	0.48	55±6	✓	Fridman et al. (2011)	0.48	55.00±6.00
149757	0.32	11±3	✓	Fridman et al. (2011)	0.32	11.00±3.00
162978	0.35	42±7	✓	Fridman et al. (2011)	0.35	42.00±7.00
167971	1.08	193	✓	Herbig (1975)	1.08	193.00±19.30
167971	1.08	116±10	×	Fridman et al. (2011)		
168076	0.78	110±15	✓	Fridman et al. (2011)	0.78	110.00±15.00
183143	1.27	225±14	✓	Fridman et al. (2011)	1.27	235.02±8.95
183143	1.27	235.8±3.9	✓	Hobbs et al. (2009)		
185418	0.50	57±6	✓	Fridman et al. (2011)	0.50	57.00±6.00
190603	0.71	206	×	Herbig (1975)	0.71	
198478	0.53	97	✓	Herbig (1975)	0.53	91.94±7.85
198478	0.54	90±6	✓	Fridman et al. (2011)		
199478	0.47	123	✓	Herbig (1975)	0.47	123.00±12.30
199579	0.37	32±4	✓	Fridman et al. (2011)	0.37	32.00±4.00
203938	0.74	78±6	✓	Fridman et al. (2011)	0.74	78.00±6.00
204287	1.10	73.8±7.5	✓	Hobbs et al. (2008)	1.11	69.28±5.75
204287	1.11	68±4	✓	Fridman et al. (2011)		
206165	0.47	60.5±4	✓	Fridman et al. (2011)	0.47	60.50±4.00
206267	0.53	53±7	✓	Fridman et al. (2011)	0.53	53.00±7.00
207198	0.62	45±6	✓	Fridman et al. (2011)	0.62	45.00±6.00
210121	0.40	15.5±3.5	✓	Fridman et al. (2011)	0.40	15.50±3.50
+631964	1.00	210±12	✓	Fridman et al. (2011)	1.00	210.00±12.00

Table 8. Sources for the Equivalent Widths of the 5544 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5544} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5544} (mÅ) This Work
21483	0.56	12.7 \pm 1	\checkmark	Thorburn et al. (2003)	0.56	12.70 \pm 1.00
27778	0.37	7.5 \pm 1	\checkmark	Thorburn et al. (2003)	0.37	7.50 \pm 1.00
30614	0.30	9.4 \pm 1	\checkmark	Thorburn et al. (2003)	0.30	9.40 \pm 1.00
34078	0.52	13.0 \pm 2	\checkmark	Thorburn et al. (2003)	0.52	13.00 \pm 2.00
37903	0.35	4.1 \pm 1	\checkmark	Thorburn et al. (2003)	0.35	4.10 \pm 1.00
41117	0.45	16.0 \pm 1	\checkmark	Thorburn et al. (2003)	0.45	16.00 \pm 1.00
42087	0.36	16.0 \pm 2	\checkmark	Thorburn et al. (2003)	0.36	16.00 \pm 2.00
46202	0.49	18.7 \pm 1.5	\checkmark	Thorburn et al. (2003)	0.49	18.70 \pm 1.50
48099	0.27	7.3 \pm 1	\checkmark	Thorburn et al. (2003)	0.27	7.30 \pm 1.00
147888	0.47	6.0 \pm 1	\checkmark	Thorburn et al. (2003)	0.47	6.00 \pm 1.00
147889	1.07	22 \pm 1	\checkmark	Thorburn et al. (2003)	1.07	22.00 \pm 1.00
147933	0.48	6.4 \pm 1	\checkmark	Thorburn et al. (2003)	0.48	6.40 \pm 1.00
149757	0.32	4.1 \pm 0.6	\checkmark	Thorburn et al. (2003)	0.32	4.10 \pm 0.60
167971	1.08	25 \pm 2	\checkmark	Thorburn et al. (2003)	1.08	25.00 \pm 2.00
168076	0.78	33 \pm 1.5	\checkmark	Thorburn et al. (2003)	0.78	33.00 \pm 1.50
183143	1.27	32 \pm 2	\checkmark	Thorburn et al. (2003)	1.27	28.96 \pm 1.50
183143	1.27	28.2 \pm 1.0	\checkmark	Hobbs et al. (2009)		
185418	0.50	14 \pm 1	\checkmark	Thorburn et al. (2003)	0.50	14.00 \pm 1.00
198478	0.54	10 \pm 1	\checkmark	Thorburn et al. (2003)	0.54	10.00 \pm 1.00
199579	0.37	7 \pm 1	\checkmark	Thorburn et al. (2003)	0.37	7.00 \pm 1.00
203938	0.74	17.4 \pm 1	\checkmark	Thorburn et al. (2003)	0.74	17.40 \pm 1.00
204827	1.11	29.4 \pm 1	\checkmark	Thorburn et al. (2003)	1.11	29.58 \pm 1.05
204827	1.10	29.8 \pm 1.1	\checkmark	Hobbs et al. (2008)		
206165	0.47	10.8 \pm 1	\checkmark	Thorburn et al. (2003)	0.47	10.80 \pm 1.00
206267	0.53	12 \pm 1	\checkmark	Thorburn et al. (2003)	0.53	12.00 \pm 1.00
207198	0.62	24.3 \pm 1	\checkmark	Thorburn et al. (2003)	0.62	24.30 \pm 1.00
210121	0.40	8 \pm 1	\checkmark	Thorburn et al. (2003)	0.40	8.00 \pm 1.00
+631964	1.00	46 \pm 2	\checkmark	Thorburn et al. (2003)	1.00	46.00 \pm 2.00

Table 9. Sources for the Equivalent Widths of the 5705 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5705} (mÅ)	Adopt [”] √ [”] or Reject [”] × [”]	Sources	$E(B - V)$ This Work	W_{5705} (mÅ) This Work
2905	0.33	66±7	✓	Friedman et al. (2011)	0.32	58.48±6.20
2905	0.32	54	✓	Herbig (1975)		
21291	0.42	43	✓	Josafatsson and Snow (1987)	0.42	43.00±4.30
21291	0.41	111	×	Herbig (1975)		
21483	0.56	35±10	✓	Friedman et al. (2011)	0.56	35.00±10.00
27778	0.37	17±3	✓	Friedman et al. (2011)	0.37	17.00±3.00
30614	0.29	33	✓	Josafatsson and Snow (1987)	0.29	33.00±3.30
30614	0.30	54±10	×	Friedman et al. (2011)		
34078	0.52	48	✓	Josafatsson and Snow (1987)	0.52	48.00±7.40
34078	0.52	48±10	✓	Friedman et al. (2011)		
34078	0.52	136	×	Herbig (1975)		
37367	0.40	94±8	✓	Friedman et al. (2011)	0.40	94.00±8.00
37903	0.36	27	✓	Josafatsson and Snow (1987)	0.36	29.03±3.85
37903	0.35	36±5	✓	Friedman et al. (2011)		
38087	0.24	18	✓	Josafatsson and Snow (1987)	0.24	18.00±1.80
40893	0.46	80±7	✓	Friedman et al. (2011)	0.46	80.00±7.00
41117	0.45	86±5	✓	Friedman et al. (2011)	0.45	86.00±5.00
42087	0.36	75±6	✓	Friedman et al. (2011)	0.36	75.00±6.00
46056	0.50	90±10	✓	Friedman et al. (2011)	0.50	90.00±10.00
46202	0.49	76±10	✓	Friedman et al. (2011)	0.49	76.00±10.00
47129	0.36	30±8	✓	Friedman et al. (2011)	0.36	30.00±8.00
48099	0.27	43±5	✓	Friedman et al. (2011)	0.27	43.00±5.00
53974	0.31	46	✓	Josafatsson and Snow (1987)	0.31	46.00±4.60
143275	0.17	19±6	✓	Friedman et al. (2011)	0.17	19.00±6.00
144217	0.19	39±5	✓	Friedman et al. (2011)	0.19	39.00±5.00
144470	0.22	37±6	✓	Friedman et al. (2011)	0.22	37.00±6.00
145502	0.25	35	✓	Josafatsson and Snow (1987)	0.25	35.40±5.25
145502	0.24	37±7	✓	Friedman et al. (2011)		
147165	0.40	50	✓	Josafatsson and Snow (1987)	0.41	57.00±5.00
147165	0.41	64±5	✓	Friedman et al. (2011)		
147165	0.39	92	×	Herbig (1975)		
147888	0.47	54±4	✓	Friedman et al. (2011)	0.47	54.00±4.00
147889	1.07	85±6	×	Friedman et al. (2011)	1.08	170.00±17.00
147889	1.08	170	✓	Herbig (1975)		
147933	0.48	44±8	✓	Friedman et al. (2011)	0.48	44.00±8.00
162978	0.35	44±8	✓	Friedman et al. (2011)	0.35	44.00±8.00
167971	1.08	131±5	✓	Friedman et al. (2011)	1.08	131.00±5.00
167971	1.08	342	×	Herbig (1975)		
168076	0.78	118±12	✓	Friedman et al. (2011)	0.78	118.00±12.00
183143	1.27	172±7	✓	Friedman et al. (2011)	1.27	172.42±5.00
183143	1.27	172.5±3.0	✓	Hobbs et al. (2009)		
185418	0.50	57±3	✓	Friedman et al. (2011)	0.50	57.00±3.00
190603	0.72	94	✓	Josafatsson and Snow (1987)	0.72	96.81±9.70
190603	0.72	100	✓	Herbig (1975)		
198478	0.54	72±4	✓	Friedman et al. (2011)	0.54	72.00±4.00
198478	0.53	114	×	Herbig (1975)		
199478	0.48	70	✓	Josafatsson and Snow (1987)	0.48	70.00±7.00
199478	0.47	140	×	Herbig (1975)		
199579	0.37	21±3	✓	Friedman et al. (2011)	0.37	21.00±3.00
200775	0.57	25	×	Josafatsson and Snow (1987)		
203938	0.74	68±4	✓	Friedman et al. (2011)	0.74	68.00±4.00
204827	1.10	41.6±3.7	×	Hobbs et al. (2008)		
204827	1.11	58±3	×	Friedman et al. (2011)		
206165	0.47	58±5	✓	Friedman et al. (2011)	0.47	58.00±5.00
206267	0.53	59±4	✓	Friedman et al. (2011)	0.53	59.00±4.00
207198	0.62	56±5	✓	Friedman et al. (2011)	0.62	56.00±5.00
+631964	1.00	195±20	✓	Friedman et al. (2011)	1.00	195.00±20.00

Table 10. Sources for the Equivalent Widths of the 5707 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5707} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5707} (mÅ) This Work
15558	0.75	146.3±8.3	✓	Désert et al. (1995)	0.75	146.3±8.3
16691	0.83	184.3±16.6	✓	Désert et al. (1995)	0.83	184.3±16.6
23060	0.34	35.0±1.4	✓	Désert et al. (1995)	0.34	35.0±1.4
30614	0.32	16.0±2.6	✓	Désert et al. (1995)	0.32	16.0±2.6
+31643	0.85	113.9±5.1	✓	Désert et al. (1995)	0.85	113.9±5.1
34078	0.52	60.8±7.3	✓	Désert et al. (1995)	0.52	60.8±7.3
36879	0.50	95.0±11.5	✓	Désert et al. (1995)	0.50	95.0±11.5
37367	0.43	131.2±18.5	✓	Désert et al. (1995)	0.43	131.2±18.5
37903	0.38	69.2±11.0	✓	Désert et al. (1995)	0.38	69.2±11.0
38131	0.51	130.1±15.3	✓	Désert et al. (1995)	0.51	130.1±15.3
+60497	0.89	127.3±9.8	✓	Désert et al. (1995)	0.89	127.3±9.8
154445	0.43	74.0±12.0	✓	Désert et al. (1995)	0.43	74.0±12.0
168076	0.80	97.6±9.6	✓	Désert et al. (1995)	0.80	97.6±9.6
168112	1.04	125.8±14.6	✓	Désert et al. (1995)	1.04	125.8±14.6
183143	1.24	193.4±14.9	✓	Désert et al. (1995)	1.24	193.4±14.9
183143	1.27	2.4±0.5	×	Hobbs et al. (2009)		
190603	0.94	94.9±3.8	✓	Désert et al. (1995)	0.94	94.9±3.8
192281	0.73	67.2±6.6	✓	Désert et al. (1995)	0.73	67.2±6.6
193682	0.83	123.7±10.0	✓	Désert et al. (1995)	0.83	123.7±10.0
199216	0.73	51.1±3.7	✓	Désert et al. (1995)	0.73	51.1±3.7
199579	0.38	47.1±6.5	✓	Désert et al. (1995)	0.38	47.1±6.5
204827	1.11	5.0±0.8	×	Hobbs et al. (2008)		
209339	0.37	79.2±2.2	✓	Désert et al. (1995)	0.37	79.2±2.2
216532	0.87	140.1±13.1	✓	Désert et al. (1995)	0.87	140.1±13.1
216898	0.88	134.6±14.1	✓	Désert et al. (1995)	0.88	134.6±14.1
217086	0.92	142.6±8.3	✓	Désert et al. (1995)	0.92	142.6±8.3
239729	0.67	58.3±2.0	✓	Désert et al. (1995)	0.67	58.3±2.0
242908	0.62	112.8±6.8	✓	Désert et al. (1995)	0.62	112.8±6.8
+631964	0.95	137.8±5.7	✓	Désert et al. (1995)	0.95	137.8±5.7

Table 11. Sources for the Equivalent Widths of the 5763 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5763} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5763} (mÅ) This Work
2905	0.33	2	×	Wszolek & Godlowski (2003)		
21291	0.42	4	×	Wszolek & Godlowski (2003)		
27778	0.35	5	✓	Wszolek & Godlowski (2003)	0.35	5±0.5
34078	0.52	2	×	Wszolek & Godlowski (2003)		
41117	0.45	7	✓	Wszolek & Godlowski (2003)	0.45	7±0.7
42087	0.36	5	✓	Wszolek & Godlowski (2003)	0.36	5±0.5
47129	0.34	3	×	Wszolek & Godlowski (2003)		
143275	0.17	1	×	Wszolek & Godlowski (2003)		
144217	0.18	2	✓	Wszolek & Godlowski (2003)	0.18	2±0.2
144470	0.21	1	×	Wszolek & Godlowski (2003)		
145502	0.25	3	✓	Wszolek & Godlowski (2003)	0.25	3±0.3
147165	0.38	2	×	Wszolek & Godlowski (2003)		
147933	0.47	8	✓	Wszolek & Godlowski (2003)	0.47	8±0.8
149757	0.31	3	×	Wszolek & Godlowski (2003)		
154445	0.39	4	✓	Wszolek & Godlowski (2003)	0.39	4±0.4
183143	1.27	8	×	Wszolek & Godlowski (2003)		
183143	1.27	5.8±0.7	×	Hobbs et al. (2009)		
198478	0.54	4	×	Wszolek & Godlowski (2003)		
199579	0.37	2	×	Wszolek & Godlowski (2003)		
204827	1.11	11.8±0.7	✓	Hobbs et al. (2008)	1.11	11.8±0.7
206165	0.47	3	×	Wszolek & Godlowski (2003)		
206267	0.51	5	×	Wszolek & Godlowski (2003)		
207198	0.59	9	✓	Wszolek & Godlowski (2003)	0.59	9±0.9

Table 12. Sources for the Equivalent Widths of the 5766 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5766} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5766} (mÅ) This Work
2905	0.33	9	✓	Wszolek & Godlowski (2003)	0.33	9±0.9
21291	0.42	8	✓	Wszolek & Godlowski (2003)	0.42	8±0.8
21483	0.56	13	✓	Wszolek & Godlowski (2003)	0.56	13±1.3
27778	0.35	6	✓	Wszolek & Godlowski (2003)	0.35	6±0.6
34078	0.52	5	×	Wszolek & Godlowski (2003)		
41117	0.45	5	✓	Wszolek & Godlowski (2003)	0.45	5±0.5
143275	0.17	2	✓	Wszolek & Godlowski (2003)	0.17	2±0.2
144217	0.18	3	✓	Wszolek & Godlowski (2003)	0.18	3±0.3
144470	0.21	3	✓	Wszolek & Godlowski (2003)	0.21	3±0.3
145502	0.25	7	✓	Wszolek & Godlowski (2003)	0.25	7±0.7
147165	0.38	10	✓	Wszolek & Godlowski (2003)	0.38	10±1.0
147889	1.08	19	✓	Wszolek & Godlowski (2003)	1.08	19±1.9
147933	0.47	9	✓	Wszolek & Godlowski (2003)	0.47	9±0.9
149757	0.31	4	✓	Wszolek & Godlowski (2003)	0.31	4±0.4
154445	0.39	9	✓	Wszolek & Godlowski (2003)	0.39	9±0.9
183143	1.27	30	✓	Wszolek & Godlowski (2003)	1.27	30±3.0
183143	1.27	16.9±0.9	×	Hobbs et al. (2009)		
199579	0.37	9	✓	Wszolek & Godlowski (2003)	0.37	9±0.9
204827	1.11	29.8±0.9	✓	Hobbs et al. (2008)	1.11	29.8±0.9
206165	0.47	6	✓	Wszolek & Godlowski (2003)	0.47	6±0.6
206267	0.51	15	✓	Wszolek & Godlowski (2003)	0.51	15±1.5
207198	0.59	22	✓	Wszolek & Godlowski (2003)	0.59	22±2.2

Table 13. Sources for the Equivalent Widths of the 5773 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5773} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5773} (mÅ) This Work
2905	0.33	7	✓	Wszolek & Godlowski (2003)	0.33	7±0.7
21291	0.42	5	✓	Wszolek & Godlowski (2003)	0.42	5±0.5
27778	0.35	4	✓	Wszolek & Godlowski (2003)	0.35	4±0.4
41117	0.45	14	✓	Wszolek & Godlowski (2003)	0.45	14±1.4
47129	0.34	6	✓	Wszolek & Godlowski (2003)	0.34	6±0.6
143275	0.17	3	✓	Wszolek & Godlowski (2003)	0.17	3±0.3
144217	0.18	3	✓	Wszolek & Godlowski (2003)	0.18	3±0.3
144470	0.21	6	✓	Wszolek & Godlowski (2003)	0.21	6±0.6
145502	0.25	9	✓	Wszolek & Godlowski (2003)	0.25	9±0.9
147889	1.08	19	✓	Wszolek & Godlowski (2003)	1.08	19±1.9
147933	0.47	8	✓	Wszolek & Godlowski (2003)	0.47	8±0.8
154445	0.39	5	✓	Wszolek & Godlowski (2003)	0.39	5±0.5
183143	1.27	29	✓	Wszolek & Godlowski (2003)	1.27	38.25±2.15
183143	1.27	40.4±1.4	✓	Hobbs et al. (2009)	1.27	
198478	0.54	6	✓	Wszolek & Godlowski (2003)	0.54	6±0.6
199579	0.37	6	✓	Wszolek & Godlowski (2003)	0.37	6±0.6
206165	0.47	5	✓	Wszolek & Godlowski (2003)	0.47	5±0.5
206267	0.51	8	✓	Wszolek & Godlowski (2003)	0.51	8±0.8
207198	0.59	12	✓	Wszolek & Godlowski (2003)	0.59	12±1.2

Table 14. Sources for the Equivalent Widths of the 5776 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5776} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5776} (mÅ) This Work
2905	0.33	7	✓	Wszolek & Godlowski (2003)	0.33	7±0.7
21291	0.42	5	✓	Wszolek & Godlowski (2003)	0.42	5±0.5
34078	0.52	8	✓	Wszolek & Godlowski (2003)	0.52	8±0.8
41117	0.45	9	✓	Wszolek & Godlowski (2003)	0.45	9±0.9
42087	0.36	7	✓	Wszolek & Godlowski (2003)	0.36	7±0.7
47129	0.34	4	✓	Wszolek & Godlowski (2003)	0.34	4±0.4
143275	0.17	2	✓	Wszolek & Godlowski (2003)	0.17	2±0.2
144217	0.18	4	✓	Wszolek & Godlowski (2003)	0.18	4±0.4
144470	0.21	3	✓	Wszolek & Godlowski (2003)	0.21	3±0.3
145502	0.25	6	✓	Wszolek & Godlowski (2003)	0.25	6±0.6
147165	0.38	5	✓	Wszolek & Godlowski (2003)	0.38	5±0.5
147933	0.47	7	✓	Wszolek & Godlowski (2003)	0.47	7±0.7
183143	1.27	20	✓	Wszolek & Godlowski (2003)	1.27	24.24±1.50
183143	1.27	25.3±1.0	✓	Hobbs et al. (2009)		
198478	0.54	5	×	Wszolek & Godlowski (2003)		
199579	0.37	4	✓	Wszolek & Godlowski (2003)	0.37	4±0.4
204827	1.11	7.8±1.7	×	Hobbs et al. (2008)		
206267	0.51	6	✓	Wszolek & Godlowski (2003)	0.51	6±0.6
207198	0.59	7	✓	Wszolek & Godlowski (2003)	0.59	7±0.7

Table 15. Sources for the Equivalent Widths of the 5778 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5778} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5778} (mÅ) This Work
2905	0.32	335	✓	Herbig(1975)	0.32	335.00±33.50
21291	0.42	200	✓	Josafatsson & Snow(1987)	0.42	200.00±20.00
21291	0.41	360	×	Herbig(1975)		
+31643	0.77	216	×	Herbig(1975)		
34078	0.52	305	✓	Herbig(1975)	0.52	305.00±30.50
37903	0.36	170	✓	Josafatsson & Snow(1987)	0.36	170.00±17.00
38087	0.24	150	✓	Josafatsson & Snow(1987)	0.24	150.00±15.00
53974	0.31	180	✓	Josafatsson & Snow(1987)	0.31	180.00±18.00
147165	0.39	294	✓	Herbig(1975)	0.39	294.00±29.40
147933	0.47	196	✓	Herbig(1975)	0.47	196.00±19.60
167971	1.08	558	✓	Herbig(1975)	1.08	558.00±55.80
190603	0.72	290	✓	Josafatsson & Snow(1987)	0.72	342.19±39.15
190603	0.71	493	✓	Herbig(1975)		
198478	0.53	520	×	Herbig(1975)		
199478	0.48	200	✓	Josafatsson & Snow(1987)	0.48	200.00±20.00
199478	0.47	720	×	Herbig(1975)		
199579	0.36	190	✓	Herbig(1975)	0.36	190.00±19.00

Table 16. Sources for the Equivalent Widths of the 5780 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5780} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5780} (mÅ) This Work
2905	0.33	301	✓	Wszolek & Godlowski (2003)	0.33	308.53±23.30
2905	0.32	288	✓	Herbig (1975)		
2905	0.33	314±5	✓	Friedman et al. (2011)		
2905	0.33	251.7±4.3	×	Megier et al. (2005)		
2905	0.33	282	✓	Herbig (1993)		
2905	0.33	304±10	✓	Snow et al. (2002)		
2905	0.33	279.3	✓	Krelowski et al. (1999)		
2905	0.33	294	✓	Megier et al. (2001)		
2905	0.32	270	✓	Wu (1972)		
15558	0.75	452.3±24.0	✓	Désert et al. (1995)	0.75	452.30±24.00
15570	1.02	519.2±13.3	✓	Sonnentrucher et al. (1997)	0.99	518.68±32.20
15570	0.96	511.0	✓	Krelowski et al. (1999)		
15629	0.72	453.0	✓	Krelowski et al. (1999)	0.72	453.00±45.30
16691	0.83	283.9±24.9	✓	Désert et al. (1995)	0.83	283.90±24.90
21291	0.41	225	✓	Herbig (1975)	0.42	186.81±15.90
21291	0.43	197.8	✓	Cox et al. (2007)		
21291	0.42	191.8±5.5	✓	Megier et al. (2005)		
21291	0.41	200	✓	Wszolek & Godlowski (2003)		
21291	0.42	197	✓	Josafasson and Snow (1987)		
21291	0.41	178±5.1	✓	Weselak et al. (2008)		
21291	0.42	190	✓	Megier et al. (2001)		
21483	0.56	181±7	×	Friedman et al. (2011)	0.56	147.00±14.70
21483	0.56	147	✓	Wszolek & Godlowski (2003)		
21483	0.56	147	✓	Megier et al. (2001)		
23060	0.34	119.0±3.7	×	Désert et al. (1995)	0.32	156.00±15.60
23060	0.32	156	✓	Galazutdinov et al. (2004)		
27778	0.33	95.0±3.0	✓	Sonnentrucher et al. (1997)	0.36	91.10±2.87
27778	0.37	71	×	Wszolek & Godlowski (2003)		
27778	0.37	86±4	✓	Friedman et al. (2011)		
27778	0.37	76.0	×	Krelowski et al. (1999)		
27778	0.37	90.8±1.6	✓	Weselak et al. (2008)		
27778	0.37	71	×	Megier et al. (2001)		
29647	1.03	51.5±3.1	×	Sonnentrucher et al. (1997)		
29647	1.00	70±7	×	Friedman et al. (2011)		
30614	0.30	133±5	✓	Friedman et al. (2011)	0.29	122.68±9.60
30614	0.32	111.0±17.3	✓	Désert et al. (1995)		
30614	0.26	120.1±4.7	✓	Megier et al. (2005)		
30614	0.32	120.0±3.2	✓	Sonnentrucher et al. (1997)		
30614	0.29	118	✓	Josafasson and Snow (1987)		
30614	0.27	124.5	✓	Krelowski et al. (1999)		
30614	0.26	127	✓	Megier et al. (2001)		
30614	0.30	210	×	Wu (1972)		
+31643	0.85	259.3±9.4	✓	Désert et al. (1995)	0.85	259.30±9.40
34078	0.52	181±5	✓	Friedman et al. (2011)	0.50	177.69±13.24
34078	0.49	179.0±0.8	✓	Megier et al. (2005)		
34078	0.52	220	×	Herbig (1975)		
34078	0.52	186	✓	Wszolek & Godlowski (2003)		
34078	0.52	137.8±16.1	×	Désert et al. (1995)		
34078	0.52	180	✓	Josafasson and Snow (1987)		
34078	0.49	178.0	✓	Krelowski et al. (1999)		
34078	0.49	175±3.6	✓	Weselak et al. (2008)		
34078	0.49	189	✓	Megier et al. (2001)		
36879	0.50	291.0±35.0	✓	Désert et al. (1995)	0.50	291.00±35.00
37367	0.43	417.1±58.1	✓	Désert et al. (1995)	0.42	424.80±50.50
37367	0.40	454±5	×	Friedman et al. (2011)		
37367	0.40	429	✓	Herbig (1993)		
37903	0.36	155	✓	Josafasson and Snow (1987)	0.36	169.82±16.25
37903	0.35	163	✓	Herbig (1993)		
37903	0.35	183±10	✓	Friedman et al. (2011)		
37903	0.38	145.9±23.2	✓	Désert et al. (1995)		
38087	0.29	162±6	✓	Friedman et al. (2011)	0.26	160.02±10.40
38087	0.24	148	✓	Josafasson and Snow (1987)		
38131	0.51	386.1±45.4	✓	Désert et al. (1995)	0.51	386.10±45.40
40893	0.46	391±5	✓	Friedman et al. (2011)	0.46	391.00±5.00
41117	0.44	329.5±4.1	✓	Megier et al. (2005)	0.45	333.68±23.46
41117	0.45	356±10	✓	Friedman et al. (2011)		

Table 16—Continued

HD/BD	$E(B - V)$ (mag)	W_{5780} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5780} (mÅ) This Work
41117	0.45	351	✓	Wszolek & Godlowski (2003)		
41117	0.47	339.5	✓	Krelowski et al. (1999)		
41117	0.44	341	✓	Megier et al. (2001)		
41117	0.46	410	×	Wu (1972)		
42087	0.36	255	✓	Wszolek & Godlowski (2003)	0.35	255.39±18.02
42087	0.35	248.1±4.1	✓	Megier et al. (2005)		
42087	0.36	275±7	✓	Friedman et al. (2011)		
42087	0.34	267.0	✓	Krelowski et al. (1999)		
42087	0.35	268	✓	Megier et al. (2001)		
46056	0.50	300±7	✓	Friedman et al. (2011)	0.50	300.00±7.00
46106	0.42	44	×	Seab & Snow (1984)		
46150	0.46	331	✓	Herbig (1993)	0.46	341.55±19.95
46150	0.46	342±6.8	✓	Weselak et al. (2008)		
46202	0.49	332±6	✓	Friedman et al. (2011)	0.49	332.00±6.00
46223	0.48	347±7.1	✓	Weselak et al. (2008)	0.48	347.00±7.10
47129	0.34	165.5±3.7	✓	Megier et al. (2005)	0.35	165.10±13.13
47129	0.36	204±5	×	Friedman et al. (2011)		
47129	0.36	250	×	Seab & Snow (1984)		
47129	0.36	168	✓	Wszolek & Godlowski (2003)		
47129	0.34	160.0	✓	Krelowski et al. (1999)		
47129	0.34	160	✓	Megier et al. (2001)		
47240	0.34	229	✓	Megier et al. (2001)	0.34	229.00±22.90
48099	0.27	207±7	✓	Friedman et al. (2011)	0.28	206.12±13.45
48099	0.27	250	×	Seab & Snow (1984)		
48099	0.28	199	✓	Herbig (1993)		
48434	0.28	270	×	Seab & Snow (1984)	0.21	114.00±2.30
48434	0.21	114±2.3	✓	Weselak et al. (2008)		
53974	0.31	114	×	Josafasson and Snow (1987)	0.31	170.00±17.00
53974	0.31	170	✓	Megier et al. (2001)		
+60497	0.89	395.2±26.7	✓	Désert et al. (1995)	0.89	395.20±26.70
+60594	0.62	285	✓	Galazutdinov et al. (2004)	0.62	285.00±28.50
99872	0.34	174±3.2	✓	Weselak et al. (2008)	0.34	174.00±3.20
122879	0.35	311.2±50.3	✓	Désert et al. (1995)	0.34	274.51±27.45
122879	0.34	274.2±4.6	✓	Megier et al. (2005)		
123008	0.63	495.8±23.3	✓	Désert et al. (1995)	0.63	495.80±23.30
142096	0.17	89.5±3.1	✓	Vos et al. (2011)	0.18	84.43±4.37
142096	0.19	83.1±1.6	✓	Megier et al. (2005)		
142096	0.19	84	✓	Megier et al. (2001)		
142165	0.14	89.5±3.4	✓	Vos et al. (2011)	0.14	89.50±3.40
142315	0.13	53.3±8.2	✓	Raimond et al. (2012)	0.13	53.30±8.20
142378	0.19	87.4±2.8	✓	Vos et al. (2011)	0.19	87.40±2.80
143018	0.11	28.8±3.0	✓	Vos et al. (2011)	0.08	32.47±3.50
143018	0.05	39±4	✓	Friedman et al. (2011)		
143018	0.06	16	×	Josafasson and Snow (1987)		
143018	0.06	120	×	Wu (1972)		
143275	0.17	82±5	✓	Friedman et al. (2011)	0.17	74.03±5.74
143275	0.20	68.2±3.1	✓	Vos et al. (2011)		
143275	0.17	78±5	✓	Wszolek & Godlowski (2003)		
143275	0.14	79.0	✓	Krelowski et al. (1999)		
143275	0.17	77	✓	Megier et al. (2001)		
143275	0.18	280	×	Wu (1972)		
143567	0.15	162.5±3.6	✓	Vos et al. (2011)	0.15	162.50±3.60
144217	0.19	157±8	✓	Wszolek & Godlowski (2003)	0.18	156.69±10.07
144217	0.19	152.3±2.1	✓	Vos et al. (2011)		
144217	0.19	171±5	✓	Friedman et al. (2011)		
144217	0.17	148.5	✓	Galazutdinov et al. (2004)		
144217	0.19	183.0±8	✓	Sonnentrücher et al. (1997)		
144217	0.17	160.7	✓	Krelowski et al. (1999)		
144217	0.19	164	✓	Porceddu et al. (1992)		
144217	0.20	250	×	Wu (1972)		
144470	0.20	165.8±2.1	✓	Vos et al. (2011)	0.20	171.91±10.21
144470	0.22	184	✓	Herbig (1993)		
144470	0.22	172±9	✓	Wszolek & Godlowski (2003)		
144470	0.22	192±5	✓	Friedman et al. (2011)		
144470	0.22	201	×	Herbig (1975)		
144470	0.19	178	✓	Benvenuti & Porceddu (1989)		

Table 16—Continued

HD/BD	$E(B - V)$ (mag)	W_{5780} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5780} (mÅ) This Work
144470	0.19	173.8±1.9	✓	Megier et al. (2005)		
144470	0.19	173	✓	Megier et al. (2001)		
145502	0.25	166.2±2.0	✓	Vos et al. (2011)	0.25	169.11±11.45
145502	0.24	164±8	✓	Wszolek & Godlowski (2003)		
145502	0.24	187±5	✓	Friedman et al. (2011)		
145502	0.24	210.0±8.4	×	Sonnentrucher et al. (1997)		
145502	0.25	182	✓	Herbig (1993)		
145502	0.25	178	✓	Josafasson and Snow (1987)		
145502	0.24	176.8	✓	Krelowski et al. (1999)		
145554	0.19	143.0±3.8	✓	Vos et al. (2011)	0.19	143.00±3.80
146001	0.13	68.8±5.4	✓	Vos et al. (2011)	0.13	68.80±5.40
146029	0.13	113.1±17.0	✓	Raimond et al. (2012)	0.13	97.39±10.15
146029	0.13	96.8±3.3	✓	Vos et al. (2011)		
146416	0.08	63.9±2.7	✓	Vos et al. (2011)	0.08	63.90±2.70
147165	0.41	237±10	✓	Wszolek & Godlowski (2003)	0.37	241.97±12.20
147165	0.39	301	×	Herbig (1975)		
147165	0.40	340	×	Wu (1972)		
147165	0.36	234.5±3.9	✓	Vos et al. (2011)		
147165	0.41	254±5	✓	Friedman et al. (2011)		
147165	0.34	243.3±3.1	✓	Megier et al. (2005)		
147165	0.40	240	✓	Josafasson and Snow (1987)		
147165	0.34	243.3	✓	Krelowski et al. (1999)		
147165	0.34	241±4.0	✓	Weselak et al. (2008)		
147165	0.34	233	✓	Megier et al. (2001)		
147701	0.66	256.4±4.7	✓	Vos et al. (2011)	0.66	256.40±4.70
147888	0.44	196.9±6.6	×	Vos et al. (2011)	0.47	247.22±7.50
147888	0.47	252±12	✓	Friedman et al. (2011)		
147888	0.47	254±5	✓	Snow et al. (2002)		
147888	0.46	238±5.5	✓	Weselak et al. (2008)		
147889	1.10	379	✓	Herbig (2000)	1.05	358.00±23.14
147889	1.08	430	×	Herbig (1975)		
147889	1.08	379	✓	Herbig (1993)		
147889	1.07	377±8	✓	Friedman et al. (2011)		
147889	1.08	430	×	Seab & Snow (1984)		
147889	1.07	347	✓	Wszolek & Godlowski (2003)		
147889	0.99	343.7±4.1	✓	Vos et al. (2011)		
147889	1.00	370±4.7	✓	Weselak et al. (2008)		
147889	1.07	347	✓	Megier et al. (2001)		
147933	0.46	280	×	Seab & Snow (1984)	0.45	197.73±16.13
147933	0.48	222±10	✓	Friedman et al. (2011)		
147933	0.45	208.0±12.5	✓	Megier et al. (2005)		
147933	0.40	194.5±2.8	✓	Vos et al. (2011)		
147933	0.48	200	✓	Wszolek & Godlowski (2003)		
147933	0.47	258	×	Herbig (1975)		
147933	0.46	219	✓	Herbig (1993)		
147933	0.47	218	✓	Josafasson and Snow (1987)		
147933	0.43	204.3	✓	Krelowski et al. (1999)		
147933	0.45	196	✓	Megier et al. (2001)		
149757	0.29	66.4±1.9	✓	Megier et al. (2005)	0.30	71.51±4.81
149757	0.32	51.0±1.8	✓	Vos et al. (2011)		
149757	0.32	72	✓	Herbig (1993)		
149757	0.32	65±7	✓	Wszolek & Godlowski (2003)		
149757	0.32	78.1±1.9	✓	Sonnentrucher et al. (1997)		
149757	0.29	66.4	✓	Galazutdinov et al. (2004)		
149757	0.32	83±7	✓	Friedman et al. (2011)		
149757	0.26	69.8	✓	Krelowski et al. (1999)		
149757	0.28	78.9±1.1	✓	Weselak et al. (2008)		
149757	0.29	66	✓	Megier et al. (2001)		
149757	0.32	250	×	Wu (1972)		
152233	0.45	158.9±21.2	×	Désert et al. (1995)	0.42	225.00±3.60
152233	0.42	225±3.6	✓	Weselak et al. (2008)		
152236	0.65	349±7.0	✓	Weselak et al. (2008)	0.65	349.00±7.00
152246	0.44	227±3.9	✓	Weselak et al. (2008)	0.44	227.00±3.90
152247	0.44	224±30.4	✓	Désert et al. (1995)	0.44	224.00±30.40
152248	0.45	228.1±30.6	✓	Désert et al. (1995)	0.45	228.10±30.60
152249	0.46	257.1±33.6	✓	Désert et al. (1995)	0.47	242.19±18.70

Table 16—Continued

HD/BD	$E(B - V)$ (mag)	W_{5780} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5780} (mÅ) This Work
152249	0.48	242 \pm 3.8	\checkmark	Weselak et al. (2008)		
154445	0.42	192	\checkmark	Wszolek & Godlowski (2003)	0.39	192.14 \pm 10.03
154445	0.43	163.8 \pm 26.7	\times	Désert et al. (1995)		
154445	0.42	212.1 \pm 5.0	\times	Sonnentrucher et al. (1997)		
154445	0.39	192.6 \pm 7.0	\checkmark	Megier et al. (2005)		
154445	0.39	208.0	\times	Krelowski et al. (1999)		
154445	0.35	192 \pm 3.9	\checkmark	Weselak et al. (2008)		
154445	0.39	200	\times	Megier et al. (2001)		
162978	0.35	211 \pm 14	\checkmark	Friedman et al. (2011)	0.35	210.46 \pm 18.55
162978	0.35	209 \pm 23.1	\checkmark	Désert et al. (1995)		
164492	0.32	226	\checkmark	Herbig (2000)	0.32	226.00 \pm 22.60
164794	0.33	154 \pm 2.3	\checkmark	Weselak et al. (2008)	0.33	154.20 \pm 7.80
164794	0.33	160.9 \pm 13.3	\checkmark	Désert et al. (1995)		
165052	0.43	183.6 \pm 8.3	\checkmark	Raimond et al. (2012)	0.44	185.88 \pm 17.95
165052	0.44	211.1 \pm 27.6	\checkmark	Désert et al. (1995)		
167971	1.05	539.2 \pm 12.6	\checkmark	Megier et al. (2005)	1.05	538.71 \pm 32.80
167971	1.08	580	\times	Herbig (1975)		
167971	1.08	512 \pm 9	\times	Friedman et al. (2011)		
167971	1.05	530	\checkmark	Megier et al. (2001)		
168076	0.78	541 \pm 10	\times	Friedman et al. (2011)	0.80	372.00 \pm 28.80
168076	0.80	372.0 \pm 28.8	\checkmark	Désert et al. (1995)		
168076	0.81	485.2	\times	Benvenuti & Porceddu (1989)		
168112	1.04	435.8 \pm 38.5	\checkmark	Désert et al. (1995)	1.02	472.15 \pm 46.50
168112	1.01	545	\checkmark	Herbig (2000)		
183143	1.28	774	\checkmark	Herbig (1993)	1.27	775.67 \pm 39.93
183143	1.24	720.4 \pm 47.1	\checkmark	Désert et al. (1995)		
183143	1.28	755.2	\checkmark	Cox et al. (2007)		
183143	1.27	751 \pm 10	\checkmark	Snow et al. (2002)		
183143	1.28	760.3 \pm 17.9	\checkmark	Sonnentrucher et al. (1997)		
183143	1.28	660	\times	Seab & Snow (1984)		
183143	1.27	783 \pm 12	\checkmark	Wszolek & Godlowski (2003)		
183143	1.27	761 \pm 6	\checkmark	Friedman et al. (2011)		
183143	1.27	779.3 \pm 2.3	\checkmark	Hobbs et al. (2009)		
183143	1.31	762.0	\checkmark	Krelowski et al. (1999)		
183143	1.27	749	\checkmark	Megier et al. (2001)		
183143	1.17	820	\times	Wu (1972)		
185418	0.50	273 \pm 5	\checkmark	Friedman et al. (2011)	0.50	273.00 \pm 5.00
190603	0.71	356.8 \pm 11.1	\checkmark	Megier et al. (2005)	0.72	357.05 \pm 22.50
190603	0.72	358	\checkmark	Josafasson and Snow (1987)		
190603	0.94	326.2 \pm 7.5	\times	Désert et al. (1995)		
190603	0.71	534	\times	Herbig (1975)		
190603	0.72	424.8 \pm 11.5	\times	Sonnentrucher et al. (1997)		
190603	0.73	360.0	\checkmark	Krelowski et al. (1999)		
190603	0.71	357 \pm 7.1	\checkmark	Weselak et al. (2008)		
190603	0.71	341	\times	Megier et al. (2001)		
192281	0.73	268.6 \pm 25.6	\checkmark	Désert et al. (1995)	0.73	268.60 \pm 25.60
193322	0.41	194	\checkmark	Herbig (1993)	0.41	176.11 \pm 17.75
193322	0.41	167	\checkmark	Wszolek & Godlowski (2003)		
193322	0.40	182.0	\checkmark	Krelowski et al. (1999)		
193322	0.41	167	\checkmark	Megier et al. (2001)		
193682	0.83	376.0 \pm 27.4	\checkmark	Désert et al. (1995)	0.83	376.00 \pm 27.40
197770	0.58	146.7	\checkmark	Cox et al. (2007)	0.58	146.70 \pm 14.70
198478	0.53	399	\times	Herbig (1975)	0.54	314.11 \pm 21.76
198478	0.54	305.0 \pm 15.0	\checkmark	Megier et al. (2005)		
198478	0.54	253.8 \pm 9.7	\checkmark	Sonnentrucher et al. (1997)		
198478	0.54	314	\checkmark	Wszolek & Godlowski (2003)		
198478	0.54	332 \pm 5	\checkmark	Friedman et al. (2011)		
198478	0.54	313.7	\checkmark	Cox et al. (2007)		
198478	0.54	300.3	\checkmark	Krelowski et al. (1999)		
198478	0.54	298	\checkmark	Megier et al. (2001)		
198478	0.53	420	\times	Wu (1972)		
199216	0.73	186.2 \pm 4.4	\checkmark	Désert et al. (1995)	0.73	186.20 \pm 4.40
199478	0.48	240	\checkmark	Josafasson and Snow (1987)	0.48	240.00 \pm 24.00
199478	0.47	490	\times	Herbig (1975)		
199579	0.37	111	\checkmark	Wszolek & Godlowski (2003)	0.36	124.77 \pm 11.20
199579	0.35	127.0 \pm 8.5	\checkmark	Megier et al. (2005)		

Table 16—Continued

HD/BD	$E(B - V)$ (mag)	W_{5780} (mÅ)	Adopt” \checkmark ” or Reject” \times ”	Sources	$E(B - V)$ This Work	W_{5780} (mÅ) This Work
199579	0.38	136	\checkmark	Herbig (1993)		
199579	0.37	136	\checkmark	Herbig (2000)		
199579	0.38	104.9 \pm 13.7	\checkmark	Désert et al. (1995)		
199579	0.37	128 \pm 5	\checkmark	Friedman et al. (2011)		
199579	0.36	236	\times	Herbig (1975)		
199579	0.37	240	\times	Seab & Snow (1984)		
199579	0.35	123.7	\checkmark	Krelowski et al. (1999)		
199579	0.35	117	\checkmark	Megier et al. (2001)		
200775	0.57	50	\times	Josafasson and Snow (1987)		
203938	0.66	320	\checkmark	Galazutdinov et al. (2004)	0.70	335.96 \pm 16.32
203938	0.70	320.0 \pm 6.5	\checkmark	Megier et al. (2005)		
203938	0.74	356 \pm 5	\checkmark	Friedman et al. (2011)		
203938	0.70	320 \pm 6.4	\checkmark	Weselak et al. (2008)		
203938	0.70	317	\checkmark	Megier et al. (2001)		
204827	1.06	227	\checkmark	Galazutdinov et al. (2004)	1.09	251.44 \pm 8.57
204827	1.11	257 \pm 4	\checkmark	Friedman et al. (2011)		
204827	1.11	257.0 \pm 3.0	\checkmark	Hobbs et al. (2008)		
204827	1.06	232 \pm 4.6	\checkmark	Weselak et al. (2008)		
206165	0.46	204.0 \pm 2.2	\checkmark	Megier et al. (2005)	0.47	203.01 \pm 13.24
206165	0.47	168.3 \pm 8.0	\times	Sonnentrucher et al. (1997)		
206165	0.48	197	\checkmark	Herbig (1993)		
206165	0.47	231 \pm 7	\times	Friedman et al. (2011)		
206165	0.47	204 \pm 7	\checkmark	Wszolek & Godlowski (2003)		
206165	0.46	198.0	\checkmark	Krelowski et al. (1999)		
206165	0.46	200 \pm 4.1	\checkmark	Weselak et al. (2008)		
206165	0.46	189	\times	Megier et al. (2001)		
206165	0.46	350	\times	Wu (1972)		
206267	0.50	222.7 \pm 3.6	\checkmark	Megier et al. (2005)	0.51	225.10 \pm 12.64
206267	0.53	238 \pm 7	\checkmark	Wszolek & Godlowski (2003)		
206267	0.49	223.2	\checkmark	Galazutdinov et al. (2004)		
206267	0.53	242 \pm 7	\checkmark	Friedman et al. (2011)		
206267	0.51	215.8	\checkmark	Krelowski et al. (1999)		
206267	0.49	217 \pm 4.5	\checkmark	Weselak et al. (2008)		
206267	0.50	226	\checkmark	Megier et al. (2001)		
207198	0.54	237.5 \pm 4.5	\checkmark	Megier et al. (2005)	0.56	237.32 \pm 17.43
207198	0.62	252 \pm 6	\times	Wszolek & Godlowski (2003)		
207198	0.62	242	\checkmark	Herbig (1993)		
207198	0.56	237.5	\checkmark	Galazutdinov et al. (2004)		
207198	0.62	262 \pm 6	\times	Friedman et al. (2011)		
207198	0.54	238	\checkmark	Krelowski et al. (1999)		
207198	0.55	237 \pm 4.8	\checkmark	Weselak et al. (2008)		
207198	0.54	235	\checkmark	Megier et al. (2001)		
209339	0.36	350	\times	Seab & Snow (1984)	0.37	220.90 \pm 5.90
209339	0.37	220.9 \pm 5.9	\checkmark	Désert et al. (1995)		
210121	0.40	70 \pm 7	\checkmark	Friedman et al. (2011)	0.40	70.00 \pm 7.00
216532	0.87	430.7 \pm 40.0	\checkmark	Désert et al. (1995)	0.87	430.70 \pm 40.00
216898	0.88	440.0 \pm 44.9	\checkmark	Désert et al. (1995)	0.88	440.00 \pm 44.90
217086	0.92	532	\checkmark	Galazutdinov et al. (2004)	0.92	502.44 \pm 39.95
217086	0.92	495.0 \pm 26.7	\checkmark	Désert et al. (1995)		
229196	1.22	481	\checkmark	Herbig (2000)	1.22	481.00 \pm 48.10
239729	0.67	186.9 \pm 3.4	\checkmark	Désert et al. (1995)	0.67	186.90 \pm 3.40
242908	0.62	355.9 \pm 18.0	\checkmark	Désert et al. (1995)	0.62	355.90 \pm 18.00
303308	0.46	264	\checkmark	Benvenuti & Porceddu (1989)	0.46	264.00 \pm 26.40
+631964	0.96	641.2 \pm 7.3	\checkmark	Megier et al. (2005)	0.95	642.79 \pm 10.80
+631964	0.95	648.9 \pm 14.3	\checkmark	Désert et al. (1995)		
+631964	1.00	729 \pm 10	\times	Friedman et al. (2011)		
+631964	0.96	625	\times	Megier et al. (2001)		

Table 17. Sources for the Equivalent Widths of the 5793 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5793} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5793} (mÅ) This Work
2905	0.33	3	×	Wszolek & Godlowski (2003)		
21291	0.42	5	✓	Wszolek & Godlowski (2003)	0.42	5±0.5
21483	0.56	7	✓	Wszolek & Godlowski (2003)	0.56	7±0.7
27778	0.35	5	✓	Wszolek & Godlowski (2003)	0.35	5±0.5
34078	0.52	5	×	Wszolek & Godlowski (2003)		
41117	0.45	8	✓	Wszolek & Godlowski (2003)	0.45	8±0.8
42087	0.36	7	✓	Wszolek & Godlowski (2003)	0.36	7±0.7
47129	0.34	3	×	Wszolek & Godlowski (2003)		
143275	0.17	1	×	Wszolek & Godlowski (2003)		
144217	0.18	1	×	Wszolek & Godlowski (2003)		
144470	0.21	2	×	Wszolek & Godlowski (2003)		
145502	0.25	3	✓	Wszolek & Godlowski (2003)	0.25	3±0.3
147165	0.38	2	×	Wszolek & Godlowski (2003)		
147889	1.08	22	✓	Wszolek & Godlowski (2003)	1.08	22±2.2
147933	0.47	5	✓	Wszolek & Godlowski (2003)	0.47	5±0.5
149757	0.31	2	×	Wszolek & Godlowski (2003)		
154445	0.39	4	✓	Wszolek & Godlowski (2003)	0.39	4±0.4
183143	1.27	11	×	Wszolek & Godlowski (2003)	1.27	11±1.1
183143	1.27	8.2±1.0	×	Hobbs et al. (2009)		
193322	0.41	3	×	Wszolek & Godlowski (2003)		
198478	0.54	4	×	Wszolek & Godlowski (2003)		
199579	0.37	5	✓	Wszolek & Godlowski (2003)	0.37	5±0.5
204827	1.11	19.1±1.1	✓	Hobbs et al. (2008)	1.11	19.1±1.1
206165	0.47	4	×	Wszolek & Godlowski (2003)		
206267	0.51	6	✓	Wszolek & Godlowski (2003)	0.51	6±0.6
207198	0.59	13	✓	Wszolek & Godlowski (2003)	0.59	13±1.3

Table 18. Sources for the Equivalent Widths of the 5795 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5795} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5795} (mÅ) This Work
2905	0.33	5	✓	Wszolek & Godlowski (2003)	0.33	5±0.5
21291	0.42	5	✓	Wszolek & Godlowski (2003)	0.42	5±0.5
21483	0.56	9	✓	Wszolek & Godlowski (2003)	0.56	9±0.9
27778	0.35	3	×	Wszolek & Godlowski (2003)		
34078	0.52	6	✓	Wszolek & Godlowski (2003)	0.52	6±0.6
41117	0.45	6	✓	Wszolek & Godlowski (2003)	0.45	6±0.6
42087	0.36	5	✓	Wszolek & Godlowski (2003)	0.36	5±0.5
143275	0.17	2	✓	Wszolek & Godlowski (2003)	0.17	2±0.2
144217	0.18	4	✓	Wszolek & Godlowski (2003)	0.18	4±0.4
144470	0.21	3	✓	Wszolek & Godlowski (2003)	0.21	3±0.3
145502	0.25	5	✓	Wszolek & Godlowski (2003)	0.25	5±0.5
147165	0.38	6	✓	Wszolek & Godlowski (2003)	0.38	6±0.6
147933	0.47	5	✓	Wszolek & Godlowski (2003)	0.47	5±0.5
149757	0.31	1	×	Wszolek & Godlowski (2003)		
154445	0.39	1	×	Wszolek & Godlowski (2003)		
183143	1.27	12	✓	Wszolek & Godlowski (2003)	1.27	12.1±1.2
183143	1.27	12.2±1.2	✓	Hobbs et al. (2009)		
193322	0.41	5	✓	Wszolek & Godlowski (2003)	0.41	5±0.5
199579	0.37	4	✓	Wszolek & Godlowski (2003)	0.37	4±0.4
204827	1.11	5.4±1.3	×	Hobbs et al. (2008)		
206165	0.47	3	×	Wszolek & Godlowski (2003)		
206267	0.51	4	×	Wszolek & Godlowski (2003)		
207198	0.59	6	✓	Wszolek & Godlowski (2003)	0.59	6±0.6

Table 19. Sources for the Equivalent Widths of the 5797 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5797} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{5797} (mÅ) This Work
2905	0.33	68.9±2.1	✓	Megier et al. (2005)	0.33	70.01±5.42
2905	0.32	114	×	Herbig (1975)		
2905	0.33	74±4	✓	Snow et al. (2002)		
2905	0.33	72	✓	Herbig (1993)		
2905	0.33	88	×	Wszolek & Godlowski (2003)		
2905	0.33	110±5	×	Friedman et al. (2011)		
2905	0.33	69.3	✓	Krelowski et al. (1999)		
2905	0.33	69	✓	Megier et al. (2001)		
2905	0.32	180	×	Wu (1972)		
15558	0.75	129.0±7.5	✓	Désert et al. (1995)	0.75	129.00±7.50
15570	1.02	161.2±9.2	✓	Sonnentrucher et al. (1997)	0.99	156.88±11.90
15570	0.96	146.0	✓	Krelowski et al. (1999)		
15629	0.72	99.0	✓	Krelowski et al. (1999)	0.72	99.00±9.90
16691	0.83	63.9±6.6	✓	Désert et al. (1995)	0.83	63.90±6.60
21291	0.42	48.6±2.1	✓	Megier et al. (2005)	0.42	57.81±5.28
21291	0.43	71.0	✓	Cox et al. (2007)		
21291	0.41	135	×	Herbig (1975)		
21291	0.41	74	✓	Wszolek & Godlowski (2003)		
21291	0.42	78	✓	Josafasson and Snow (1987)		
21291	0.41	60.5±1.5	✓	Weselak et al. (2008)		
21291	0.42	58	✓	Megier et al. (2001)		
21483	0.56	96±6	×	Friedman et al. (2011)	0.56	82.00±8.20
21483	0.56	82	✓	Wszolek & Godlowski (2003)		
21483	0.56	82	✓	Megier et al. (2001)		
23060	0.32	35	×	Galazutdinov et al. (2004)	0.34	49.00±1.70
23060	0.34	49.0±1.7	✓	Désert et al. (1995)		
27778	0.37	40	✓	Wszolek & Godlowski (2003)	0.37	41.99±2.78
27778	0.37	39±2	✓	Friedman et al. (2011)		
27778	0.33	31.0±2.0	×	Sonnentrucher et al. (1997)		
27778	0.37	34.0	×	Krelowski et al. (1999)		
27778	0.37	43.2±1.1	✓	Weselak et al. (2008)		
27778	0.37	40	✓	Megier et al. (2001)		
29647	1.00	39±5	×	Friedman et al. (2011)		
29647	1.03	33.0±8.2	×	Sonnentrucher et al. (1997)		
30614	0.30	56±3	✓	Friedman et al. (2011)	0.28	49.97±4.57
30614	0.32	33.0±5.1	×	Sonnentrucher et al. (1997)		
30614	0.26	47.1±2.1	✓	Megier et al. (2005)		
30614	0.32	45.1±7.0	✓	Désert et al. (1995)		
30614	0.29	54	✓	Josafasson and Snow (1987)		
30614	0.27	49.5	✓	Krelowski et al. (1999)		
30614	0.26	49	✓	Megier et al. (2001)		
+31643	0.85	78.2±3.4	✓	Désert et al. (1995)	0.85	78.20±3.40
34078	0.52	56±3	✓	Friedman et al. (2011)	0.50	54.71±4.04
34078	0.49	56.1±3.7	✓	Megier et al. (2005)		
34078	0.52	172	×	Herbig (1975)		
34078	0.52	67	×	Wszolek & Godlowski (2003)		
34078	0.52	43.2±5.2	×	Désert et al. (1995)		
34078	0.52	65	×	Josafasson and Snow (1987)		
34078	0.49	58.0	✓	Krelowski et al. (1999)		
34078	0.49	53.3±1.7	✓	Weselak et al. (2008)		
34078	0.49	60	✓	Megier et al. (2001)		
36879	0.50	53.0±6.5	✓	Désert et al. (1995)	0.50	53.00±6.50
37367	0.40	108	✓	Herbig (1993)	0.41	120.37±9.60
37367	0.40	133±6	✓	Friedman et al. (2011)		
37367	0.43	85.1±12.0	✓	Désert et al. (1995)		
37903	0.36	25	✓	Josafasson and Snow (1987)	0.35	25.39±3.30
37903	0.38	55.1±8.7	×	Désert et al. (1995)		
37903	0.35	24	✓	Herbig (1993)		
37903	0.35	33±5	✓	Friedman et al. (2011)		
38087	0.29	44±6	✓	Friedman et al. (2011)	0.26	36.43±4.70
38087	0.24	34	✓	Josafasson and Snow (1987)		
38131	0.51	85.2±10.2	✓	Désert et al. (1995)	0.51	85.20±10.20
40893	0.46	109±6	✓	Friedman et al. (2011)	0.46	109.00±6.00
41117	0.45	127	✓	Wszolek & Godlowski (2003)	0.45	122.44±9.48
41117	0.44	122.7±2.0	✓	Megier et al. (2005)		
41117	0.45	148±8	×	Friedman et al. (2011)		

Table 19—Continued

HD/BD	$E(B - V)$ (mag)	W_{5797} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5797} (mÅ) This Work
41117	0.47	116.5	\checkmark	Krelowski et al. (1999)		
41117	0.44	116	\checkmark	Megier et al. (2001)		
41117	0.46	180	\times	Wu (1972)		
42087	0.35	91.7 \pm 1.8	\checkmark	Megier et al. (2005)	0.35	95.03 \pm 6.54
42087	0.36	100	\checkmark	Wszolek & Godlowski (2003)		
42087	0.36	99 \pm 2	\checkmark	Friedman et al. (2011)		
42087	0.34	96.0	\checkmark	Krelowski et al. (1999)		
42087	0.35	93	\checkmark	Megier et al. (2001)		
46056	0.50	135 \pm 9	\checkmark	Friedman et al. (2011)	0.50	135.00 \pm 9.00
46150	0.46	102	\checkmark	Herbig (1993)	0.46	101.07 \pm 6.55
46150	0.46	101 \pm 2.9	\checkmark	Weselak et al. (2008)		
46202	0.49	119 \pm 8	\checkmark	Friedman et al. (2011)	0.49	119.00 \pm 8.00
46223	0.48	116 \pm 3.4	\checkmark	Weselak et al. (2008)	0.48	116.00 \pm 3.40
47129	0.34	40.1 \pm 1.6	\checkmark	Megier et al. (2005)	0.34	41.09 \pm 3.53
47129	0.36	64	\times	Wszolek & Godlowski (2003)		
47129	0.36	89 \pm 4	\times	Friedman et al. (2011)		
47129	0.34	45.0	\checkmark	Krelowski et al. (1999)		
47129	0.34	45	\checkmark	Megier et al. (2001)		
47240	0.34	75	\checkmark	Megier et al. (2001)	0.34	75.00 \pm 7.50
48099	0.28	42	\checkmark	Herbig (1993)	0.28	45.29 \pm 5.10
48099	0.27	52 \pm 6	\checkmark	Friedman et al. (2011)		
48434	0.21	38.2 \pm 1.2	\checkmark	Weselak et al. (2008)	0.21	38.20 \pm 1.20
53974	0.31	22	\times	Josafasson and Snow (1987)	0.31	51.00 \pm 5.10
53974	0.31	51	\checkmark	Megier et al. (2001)		
+60497	0.89	121.9 \pm 8.9	\checkmark	Désert et al. (1995)	0.89	121.90 \pm 8.90
+60594	0.62	98	\checkmark	Galazutdinov et al. (2004)	0.62	98.00 \pm 9.80
99872	0.34	30.9 \pm 0.8	\checkmark	Weselak et al. (2008)	0.34	30.90 \pm 0.80
122879	0.34	45.3 \pm 1.7	\checkmark	Megier et al. (2005)	0.34	45.30 \pm 1.70
122879	0.35	74.9	\times	Benvenuti & Porceddu (1989)		
123008	0.63	127.3 \pm 6.3	\checkmark	Benvenuti & Porceddu (1989)	0.63	127.30 \pm 6.30
142096	0.17	13.7 \pm 1.6	\checkmark	Vos et al. (2011)	0.18	12.39 \pm 1.13
142096	0.19	12.3 \pm 0.6	\checkmark	Megier et al. (2005)		
142096	0.19	12	\checkmark	Megier et al. (2001)		
142165	0.14	11.3 \pm 1.6	\checkmark	Vos et al. (2011)	0.14	11.30 \pm 1.60
142378	0.19	14.7 \pm 2.2	\checkmark	Vos et al. (2011)	0.19	14.70 \pm 2.20
143018	0.05	7 \pm 2	\checkmark	Friedman et al. (2011)	0.05	6.08 \pm 1.30
143018	0.06	6	\checkmark	Josafasson and Snow (1987)		
143275	0.17	17 \pm 2	\checkmark	Wszolek & Godlowski (2003)	0.17	16.29 \pm 2.22
143275	0.17	26 \pm 4	\checkmark	Friedman et al. (2011)		
143275	0.14	15.0	\checkmark	Krelowski et al. (1999)		
143275	0.17	14	\checkmark	Megier et al. (2001)		
143275	0.20	20.9 \pm 2.2	\checkmark	Vos et al. (2011)		
143275	0.18	130	\times	Wu (1972)		
143576	0.15	19.8 \pm 2.5	\checkmark	Vos et al. (2011)	0.15	19.80 \pm 2.50
144217	0.19	10.8 \pm 1.1	\times	Sonnentrucher et al. (1997)	0.18	18.18 \pm 2.03
144217	0.19	21.6 \pm 1.7	\checkmark	Vos et al. (2011)		
144217	0.19	18 \pm 3	\checkmark	Wszolek & Godlowski (2003)		
144217	0.17	18.6	\checkmark	Galazutdinov et al. (2004)		
144217	0.19	34 \pm 4	\times	Friedman et al. (2011)		
144217	0.17	15.3	\checkmark	Krelowski et al. (1999)		
144217	0.20	110	\times	Wu (1972)		
144470	0.19	51.9	\times	Benvenuti & Porceddu (1989)	0.21	24.16 \pm 2.48
144470	0.22	40 \pm 4	\checkmark	Friedman et al. (2011)		
144470	0.22	30 \pm 3	\checkmark	Wszolek & Godlowski (2003)		
144470	0.20	28.0 \pm 1.6	\checkmark	Vos et al. (2011)		
144470	0.19	22.8 \pm 0.6	\checkmark	Megier et al. (2005)		
144470	0.22	34	\checkmark	Herbig (1993)		
144470	0.22	45	\times	Herbig (1975)		
144470	0.22	45	\times	Dorschner et al. (1977)		
144470	0.19	23	\checkmark	Megier et al. (2001)		
145502	0.24	38 \pm 3	\checkmark	Wszolek & Godlowski (2003)	0.24	36.13 \pm 4.44
145502	0.24	34.1 \pm 10.8	\checkmark	Sonnentrucher et al. (1997)		
145502	0.25	41	\checkmark	Herbig (1993)		
145502	0.24	49 \pm 5	\checkmark	Friedman et al. (2011)		
145502	0.25	35	\checkmark	Josafasson and Snow (1987)		
145502	0.24	32.0	\checkmark	Krelowski et al. (1999)		

Table 19—Continued

HD/BD	$E(B - V)$ (mag)	W_{5797} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5797} (mÅ) This Work
145502	0.25	35.0 \pm 1.5	\checkmark	Vos et al. (2011)		
145502	0.28	140	\times	Wu (1972)		
145554	0.19	25.2 \pm 2.0	\checkmark	Vos et al. (2011)	0.19	25.20 \pm 2.00
146001	0.13	10.1 \pm 2.5	\checkmark	Vos et al. (2011)	0.13	10.10 \pm 2.50
146029	0.13	19.9 \pm 2.4	\checkmark	Vos et al. (2011)	0.13	19.90 \pm 2.40
146416	0.08	10.4 \pm 1.2	\checkmark	Vos et al. (2011)	0.08	10.40 \pm 1.20
147165	0.41	32 \pm 4	\checkmark	Wszolek & Godlowski (2003)	0.36	31.89 \pm 3.02
147165	0.36	55.2 \pm 2.2	\times	Vos et al. (2011)		
147165	0.34	26.3 \pm 4.9	\checkmark	Megier et al. (2005)		
147165	0.41	54 \pm 3	\times	Friedman et al. (2011)		
147165	0.39	91	\times	Herbig (1975)		
147165	0.40	32	\checkmark	Josafasson and Snow (1987)		
147165	0.34	26.33	\checkmark	Krelowski et al. (1999)		
147165	0.34	34.3 \pm 1.0	\checkmark	Weselak et al. (2008)		
147165	0.34	24	\checkmark	Megier et al. (2001)		
147165	0.40	120	\times	Wu (1972)		
147701	0.66	95.6 \pm 2.3	\checkmark	Vos et al. (2011)	0.66	95.60 \pm 2.30
147888	0.47	55 \pm 3	\checkmark	Snow et al. (2002)	0.46	55.53 \pm 3.50
147888	0.44	49.7 \pm 4.4	\checkmark	Vos et al. (2011)		
147888	0.47	60 \pm 5	\checkmark	Friedman et al. (2011)		
147888	0.46	56.0 \pm 1.6	\checkmark	Weselak et al. (2008)		
147889	1.07	154	\checkmark	Wszolek & Godlowski (2003)	1.05	150.47 \pm 10.76
147889	0.99	144.7 \pm 2.9	\checkmark	Vos et al. (2011)		
147889	1.07	163 \pm 5	\checkmark	Friedman et al. (2011)		
147889	1.08	173	\checkmark	Herbig (1993)		
147889	1.08	150	\checkmark	Herbig (1975)		
147889	1.00	152 \pm 4.3	\checkmark	Weselak et al. (2008)		
147889	1.08	154	\checkmark	Megier et al. (2001)		
147933	0.48	57	\checkmark	Wszolek & Godlowski (2003)	0.45	54.97 \pm 4.30
147933	0.40	58.9 \pm 1.7	\checkmark	Vos et al. (2011)		
147933	0.45	50.8 \pm 2.4	\checkmark	Megier et al. (2005)		
147933	0.48	71 \pm 6	\times	Friedman et al. (2011)		
147933	0.46	54	\checkmark	Herbig (1993)		
147933	0.47	92	\times	Herbig (1975)		
147933	0.47	51	\checkmark	Josafasson and Snow (1987)		
147933	0.43	49.7	\checkmark	Krelowski et al. (1999)		
147933	0.43	48	\checkmark	Megier et al. (2001)		
149757	0.32	41.0 \pm 1.3	\checkmark	Vos et al. (2011)	0.30	31.19 \pm 2.52
149757	0.29	30.5 \pm 1.5	\checkmark	Megier et al. (2005)		
149757	0.32	25.0 \pm 1.0	\checkmark	Sonnentrucher et al. (1997)		
149757	0.32	32 \pm 4	\checkmark	Wszolek & Godlowski (2003)		
149757	0.29	30.5	\checkmark	Galazutdinov et al. (2004)		
149757	0.32	38 \pm 4	\checkmark	Friedman et al. (2011)		
149757	0.32	31	\checkmark	Herbig (1993)		
149757	0.26	30.8	\checkmark	Krelowski et al. (1999)		
149757	0.28	31.4 \pm 0.9	\checkmark	Weselak et al. (2008)		
149757	0.29	32	\checkmark	Megier et al. (2001)		
152233	0.45	84.2 \pm 11.3	\checkmark	Benvenuti & Porceddu (1989)	0.45	84.20 \pm 11.30
152236	0.65	111 \pm 3.2	\checkmark	Weselak et al. (2008)	0.65	111.00 \pm 3.20
152247	0.44	79.2 \pm 11.0	\checkmark	Benvenuti & Porceddu (1989)	0.44	79.20 \pm 11.00
152249	0.46	68.1 \pm 8.7	\checkmark	Benvenuti & Porceddu (1989)	0.46	68.10 \pm 8.70
154445	0.39	64.1 \pm 3.0	\checkmark	Megier et al. (2005)	0.39	62.37 \pm 4.64
154445	0.43	52.9 \pm 8.6	\times	Désert et al. (1995)		
154445	0.42	42.0 \pm 1.3	\times	Sonnentrucher et al. (1997)		
154445	0.42	63	\checkmark	Wszolek & Godlowski (2003)		
154445	0.39	60.0	\checkmark	Krelowski et al. (1999)		
154445	0.35	62.1 \pm 1.9	\checkmark	Weselak et al. (2008)		
154445	0.39	60	\checkmark	Megier et al. (2001)		
162978	0.35	58 \pm 9	\checkmark	Friedman et al. (2011)	0.35	58.90 \pm 9.25
162978	0.35	59.9 \pm 9.5	\checkmark	Benvenuti & Porceddu (1989)		
164794	0.33	34 \pm 2.9	\checkmark	Benvenuti & Porceddu (1989)	0.33	39.11 \pm 2.15
164794	0.33	40.3 \pm 1.4	\checkmark	Weselak et al. (2008)		
165052	0.44	55.9 \pm 7.4	\checkmark	Benvenuti & Porceddu (1989)	0.44	55.90 \pm 7.40
167971	1.08	384	\times	Herbig (1975)	1.07	157.43 \pm 10.40
167971	1.05	158.0 \pm 5.5	\checkmark	Megier et al. (2005)		
167971	1.08	208 \pm 6	\times	Friedman et al. (2011)		

Table 19—Continued

HD/BD	$E(B - V)$ (mag)	W_{5797} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5797} (mÅ) This Work
167971	1.08	153	\checkmark	Megier et al. (2001)		
168076	0.81	281.1	\times	Benvenuti & Porceddu (1989)	0.80	167.20 \pm 12.80
168076	0.80	167.2 \pm 12.8	\checkmark	Désert et al. (1995)		
168076	0.78	250 \pm 8	\times	Friedman et al. (2011)		
168112	1.04	112.3 \pm 11.4	\checkmark	Désert et al. (1995)	1.04	112.30 \pm 11.40
183143	1.27	182 \pm 4	\checkmark	Snow et al. (2002)	1.27	183.30 \pm 11.20
183143	1.24	178.6 \pm 12.4	\checkmark	Désert et al. (1995)		
183143	1.27	234 \pm 10	\times	Wszolek & Godlowski (2003)		
183143	1.28	189.4 \pm 10.2	\checkmark	Sonnentrucher et al. (1997)		
183143	1.27	257 \pm 8	\times	Friedman et al. (2011)		
183143	1.28	209.9	\checkmark	Cox et al. (2007)		
183143	1.28	237	\times	Herbig (1993)		
183143	1.27	186.4 \pm 10.2	\checkmark	Hobbs et al. (2009)		
183143	1.31	213.8	\times	Krelowski et al. (1999)		
183143	1.28	192	\checkmark	Megier et al. (2001)		
183143	1.17	260	\times	Wu (1972)		
185418	0.50	105 \pm 5	\checkmark	Friedman et al. (2011)	0.50	105.00 \pm 5.00
190603	0.94	69.6 \pm 2.8	\times	Désert et al. (1995)	0.71	86.35 \pm 5.68
190603	0.71	86.7 \pm 3.2	\checkmark	Megier et al. (2005)		
190603	0.72	82.1 \pm 7.9	\checkmark	Sonnentrucher et al. (1997)		
190603	0.71	248	\times	Herbig (1975)		
190603	0.72	112	\times	Josafasson and Snow (1987)		
190603	0.73	94.7	\times	Krelowski et al. (1999)		
190603	0.71	86.7 \pm 3.0	\checkmark	Weselak et al. (2008)		
190603	0.71	86	\checkmark	Megier et al. (2001)		
192281	0.73	102.9 \pm 10.2	\checkmark	Désert et al. (1995)	0.73	102.90 \pm 10.20
193322	0.41	64	\checkmark	Wszolek & Godlowski (2003)	0.41	66.02 \pm 6.63
193322	0.41	71	\checkmark	Herbig (1993)		
193322	0.41	64	\checkmark	Megier et al. (2001)		
193682	0.83	73.0 \pm 5.8	\checkmark	Désert et al. (1995)	0.83	73.00 \pm 5.80
197770	0.58	85.8	\checkmark	Cox et al. (2007)	0.58	85.80 \pm 8.60
198478	0.54	90	\times	Wszolek & Godlowski (2003)	0.54	72.97 \pm 9.28
198478	0.53	160	\times	Herbig (1975)		
198478	0.54	112 \pm 4	\times	Friedman et al. (2011)		
198478	0.54	78.8	\checkmark	Cox et al. (2007)		
198478	0.54	70.2 \pm 20.0	\checkmark	Sonnentrucher et al. (1997)		
198478	0.54	72.0 \pm 4.0	\checkmark	Megier et al. (2005)		
198478	0.54	73.7	\checkmark	Krelowski et al. (1999)		
198478	0.54	71	\checkmark	Megier et al. (2001)		
198478	0.53	130	\times	Wu (1972)		
199216	0.73	97.1 \pm 2.2	\checkmark	Désert et al. (1995)	0.73	97.10 \pm 2.20
199478	0.48	92	\checkmark	Josafasson and Snow (1987)	0.48	92.00 \pm 9.20
199478	0.47	235	\times	Herbig (1975)		
199579	0.38	42.2 \pm 5.7	\times	Désert et al. (1995)	0.36	50.07 \pm 4.43
199579	0.37	55	\checkmark	Wszolek & Godlowski (2003)		
199579	0.35	49.5 \pm 2.1	\checkmark	Megier et al. (2005)		
199579	0.36	105	\times	Herbig (1975)		
199579	0.38	52	\checkmark	Herbig (1993)		
199579	0.37	50 \pm 4	\checkmark	Friedman et al. (2011)		
199579	0.35	48.7	\checkmark	Krelowski et al. (1999)		
199579	0.35	49	\checkmark	Megier et al. (2001)		
200775	0.57	21	\checkmark	Josafasson and Snow (1987)	0.57	21.00 \pm 2.10
203938	0.66	117	\checkmark	Galazutdinov et al. (2004)	0.69	117.16 \pm 7.60
203938	0.70	117.0 \pm 3.0	\checkmark	Megier et al. (2005)		
203938	0.74	152 \pm 5	\checkmark	Friedman et al. (2011)		
203938	0.70	117 \pm 3.5	\checkmark	Weselak et al. (2008)		
203938	0.70	122	\checkmark	Megier et al. (2001)		
204827	1.11	199 \pm 3	\times	Friedman et al. (2011)	1.06	165.24 \pm 10.90
204827	1.06	168	\checkmark	Galazutdinov et al. (2004)		
204827	1.11	199.0 \pm 1.1	\times	Hobbs et al. (2008)		
204827	1.06	165 \pm 5.0	\checkmark	Weselak et al. (2008)		
206165	0.47	71.0 \pm 9.9	\checkmark	Sonnentrucher et al. (1997)	0.47	78.44 \pm 6.56
206165	0.47	88 \pm 5	\checkmark	Wszolek & Godlowski (2003)		
206165	0.47	106 \pm 5	\checkmark	Friedman et al. (2011)		
206165	0.46	76.6 \pm 1.1	\checkmark	Megier et al. (2005)		
206165	0.48	87	\checkmark	Herbig (1993)		

Table 19—Continued

HD/BD	$E(B - V)$ (mag)	W_{5797} (mÅ)	Adopt” \checkmark ” or Reject” \times ”	Sources	$E(B - V)$ This Work	W_{5797} (mÅ) This Work
206165	0.46	77.0	\checkmark	Krelowski et al. (1999)		
206165	0.46	80.4	\checkmark	Weselak et al. (2008)		
206165	0.46	78	\checkmark	Megier et al. (2001)		
206165	0.46	150	\times	Wu (1972)		
206267	0.53	105 \pm 4	\times	Wszolek & Godlowski (2003)	0.50	89.66 \pm 6.38
206267	0.50	89.8 \pm 1.6	\checkmark	Megier et al. (2005)		
206267	0.53	102 \pm 5	\times	Friedman et al. (2011)		
206267	0.49	90	\checkmark	Galazutdinov et al. (2004)		
206267	0.51	91.5	\checkmark	Krelowski et al. (1999)		
206267	0.49	88.8 \pm 3.0	\checkmark	Weselak et al. (2008)		
206267	0.50	91	\checkmark	Megier et al. (2001)		
207198	0.62	152 \pm 6	\checkmark	Wszolek & Godlowski (2003)	0.57	136.52 \pm 8.80
207198	0.56	140	\checkmark	Galazutdinov et al. (2004)		
207198	0.62	139	\checkmark	Herbig (1993)		
207198	0.54	130.0 \pm 2.5	\checkmark	Megier et al. (2005)		
207198	0.62	144 \pm 3	\checkmark	Friedman et al. (2011)		
207198	0.54	138.5	\checkmark	Krelowski et al. (1999)		
207198	0.55	133 \pm 3.9	\checkmark	Weselak et al. (2008)		
207198	0.54	132	\checkmark	Megier et al. (2001)		
209339	0.37	62.2 \pm 1.9	\checkmark	Désert et al. (1995)	0.37	62.20 \pm 1.90
210121	0.40	46 \pm 9	\checkmark	Friedman et al. (2011)	0.40	46.00 \pm 9.00
216532	0.87	119.2 \pm 11.3	\checkmark	Désert et al. (1995)	0.87	119.20 \pm 11.30
216898	0.88	140.8 \pm 15.0	\checkmark	Désert et al. (1995)	0.88	140.80 \pm 15.00
217086	0.92	154	\checkmark	Galazutdinov et al. (2004)	0.92	146.56 \pm 11.85
217086	0.92	144.4 \pm 8.3	\checkmark	Désert et al. (1995)		
239729	0.67	73.7 \pm 2.0	\checkmark	Désert et al. (1995)	0.67	73.70 \pm 2.00
242908	0.62	47.7 \pm 3.7	\checkmark	Désert et al. (1995)	0.62	47.70 \pm 3.70
303308	0.46	57 \pm 7.4	\checkmark	Benvenuti & Porceddu (1989)	0.46	57.00 \pm 7.40
+631964	0.95	224.2 \pm 5.7	\checkmark	Désert et al. (1995)	0.96	223.75 \pm 10.83
+631964	0.96	223.4 \pm 3.0	\checkmark	Megier et al. (2005)		
+631964	1.00	295 \pm 9	\times	Friedman et al. (2011)		
+631964	0.96	238	\checkmark	Megier et al. (2001)		

Table 20. Sources for the Equivalent Widths of the 5809 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5809} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5809} (mÅ) This Work
2905	0.33	16.1 \pm 4.5	\times	Weselak et al. (2001)		
2905	0.33	3	\times	Wszolek & Godlowski (2003)		
21291	0.42	3.7 \pm 1.6	\times	Weselak et al. (2001)		
21291	0.42	4	\times	Wszolek & Godlowski (2003)		
21483	0.56	4	\times	Wszolek & Godlowski (2003)		
27778	0.35	1	\times	Wszolek & Godlowski (2003)		
34078	0.52	7	\checkmark	Wszolek & Godlowski (2003)	0.52	7.00 \pm 0.70
41117	0.44	13.4 \pm 4.2	\times	Weselak et al. (2001)	0.45	7.00 \pm 0.70
41117	0.45	7	\checkmark	Wszolek & Godlowski (2003)		
42087	0.35	8.0 \pm 2.7	\checkmark	Weselak et al. (2001)	0.35	8.00 \pm 2.70
42087	0.36	3	\times	Wszolek & Godlowski (2003)		
47129	0.34	9	\checkmark	Wszolek & Godlowski (2003)	0.34	9.00 \pm 0.90
143275	0.17	1	\times	Wszolek & Godlowski (2003)		
144217	0.18	2	\checkmark	Wszolek & Godlowski (2003)	0.18	2.00 \pm 0.20
144470	0.19	8.0 \pm 3.3	\times	Weselak et al. (2001)	0.21	4.00 \pm 0.40
144470	0.21	4	\checkmark	Wszolek & Godlowski (2003)		
145502	0.25	3.9 \pm 1.5	\checkmark	Weselak et al. (2001)	0.25	3.99 \pm 0.95
145502	0.25	4	\checkmark	Wszolek & Godlowski (2003)		
147165	0.36	6.2 \pm 2.5	\checkmark	Weselak et al. (2001)	0.37	6.01 \pm 1.55
147165	0.38	6	\checkmark	Wszolek & Godlowski (2003)		
147889	1.08	9	\times	Wszolek & Godlowski (2003)		
147933	0.44	3.5 \pm 1.5	\times	Weselak et al. (2001)	0.47	6.00 \pm 0.60
147933	0.47	6	\checkmark	Wszolek & Godlowski (2003)		
149757	0.31	1	\times	Wszolek & Godlowski (2003)		
154445	0.39	10.4 \pm 3.3	\checkmark	Weselak et al. (2001)	0.39	10.40 \pm 3.30
183143	1.27	29	\checkmark	Wszolek & Godlowski (2003)	1.27	31.29 \pm 3.40
183143	1.27	32.1 \pm 1.5	\checkmark	Hobbs et al. (2009)		
183143	1.28	28.3 \pm 5.8	\checkmark	Weselak et al. (2001)		
193322	0.41	2	\times	Wszolek & Godlowski (2003)		
198478	0.54	6.7 \pm 2.2	\checkmark	Weselak et al. (2001)	0.54	6.70 \pm 2.20
199579	0.37	2	\times	Wszolek & Godlowski (2003)		
204827	1.11	7.8 \pm 1.6	\times	Hobbs et al. (2008)		
206165	0.46	5.9 \pm 1.8	\checkmark	Weselak et al. (2001)	0.47	5.99 \pm 1.20
206165	0.47	6	\checkmark	Wszolek & Godlowski (2003)		
206267	0.51	3	\times	Wszolek & Godlowski (2003)		

Table 21. Sources for the Equivalent Widths of the 5819 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5819} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5819} (mÅ) This Work
21291	0.42	10	\checkmark	Wszolek & Godlowski (2003)	0.42	10 \pm 1.0
41117	0.45	5	\checkmark	Wszolek & Godlowski (2003)	0.45	5 \pm 0.5
144217	0.18	2	\checkmark	Wszolek & Godlowski (2003)	0.18	2 \pm 0.2
144470	0.21	3	\checkmark	Wszolek & Godlowski (2003)	0.21	3 \pm 0.3
183143	1.27	15	\checkmark	Wszolek & Godlowski (2003)	1.27	15 \pm 1.5
183143	1.27	7.7 \pm 0.7	\times	Hobbs et al. (2009)		
193322	0.41	2	\times	Wszolek & Godlowski (2003)		
204827	1.11	9.6 \pm 0.9	\times	Hobbs et al. (2008)		
206165	0.47	7	\checkmark	Wszolek & Godlowski (2003)	0.47	7 \pm 0.7
207198	0.59	7	\checkmark	Wszolek & Godlowski (2003)	0.59	7 \pm 0.7

Table 22. Sources for the Equivalent Widths of the 5829 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5829} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5829} (mÅ) This Work
21291	0.42	6	\checkmark	Wszolek & Godlowski (2003)	0.42	6 \pm 0.6
21483	0.56	7	\checkmark	Wszolek & Godlowski (2003)	0.56	7 \pm 0.7
27778	0.35	5	\checkmark	Wszolek & Godlowski (2003)	0.35	5 \pm 0.5
34078	0.52	6	\checkmark	Wszolek & Godlowski (2003)	0.52	6 \pm 0.6
41117	0.45	10	\checkmark	Wszolek & Godlowski (2003)	0.45	10 \pm 1.0
42087	0.36	6	\checkmark	Wszolek & Godlowski (2003)	0.36	6 \pm 0.6
47129	0.34	3	\times	Wszolek & Godlowski (2003)		
143275	0.17	1	\times	Wszolek & Godlowski (2003)		
144217	0.18	1	\times	Wszolek & Godlowski (2003)		
144470	0.21	2	\times	Wszolek & Godlowski (2003)		
145502	0.25	3	\checkmark	Wszolek & Godlowski (2003)	0.25	3 \pm 0.3
147165	0.38	1	\times	Wszolek & Godlowski (2003)		
147889	1.08	16	\checkmark	Wszolek & Godlowski (2003)	1.08	16 \pm 1.6
147933	0.47	7	\checkmark	Wszolek & Godlowski (2003)	0.47	7 \pm 0.7
149757	0.31	2	\times	Wszolek & Godlowski (2003)		
154445	0.39	5	\checkmark	Wszolek & Godlowski (2003)	0.39	5 \pm 0.5
183143	1.27	18	\checkmark	Wszolek & Godlowski (2003)	1.27	18 \pm 1.8
183143	1.27	11.5 \pm 1.9	\times	Hobbs et al. (2009)		
193322	0.41	5	\checkmark	Wszolek & Godlowski (2003)	0.41	5 \pm 0.5
198478	0.54	6	\checkmark	Wszolek & Godlowski (2003)	0.54	6 \pm 0.6
204827	1.11	18.3 \pm 1.2	\checkmark	Hobbs et al. (2008)	1.11	18.3 \pm 1.2
206165	0.47	6	\checkmark	Wszolek & Godlowski (2003)	0.47	6 \pm 0.6
206267	0.51	4	\times	Wszolek & Godlowski (2003)		
207198	0.59	13	\checkmark	Wszolek & Godlowski (2003)	0.59	13 \pm 1.3

Table 23. Sources for the Equivalent Widths of the 5844 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{5844} (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{5844} (mÅ) This Work
21291	0.42	40	\checkmark	Josafatsson & Snow (1987)	0.42	40 \pm 4.0
30614	0.29	33	\checkmark	Josafatsson & Snow (1987)	0.29	33 \pm 3.3
34078	0.52	35	\checkmark	Josafatsson & Snow (1987)	0.52	35 \pm 3.5
34078	0.52	110	\times	Herbig (1975)		
53974	0.31	32	\checkmark	Josafatsson & Snow (1987)	0.31	32 \pm 3.2
147889	1.08	100	\checkmark	Herbig (1975)	1.08	100 \pm 10.0
147933	0.47	20	\times	Josafatsson & Snow (1987)		
167971	1.08	137	\checkmark	Herbig (1975)	1.08	137 \pm 13.7
183143	1.27	100.7 \pm 4.8	\checkmark	Hobbs et al. (2009)	1.27	100.7 \pm 4.8
190603	0.72	52	\times	Josafatsson & Snow (1987)		
190603	0.71	87	\checkmark	Herbig (1975)	0.71	87 \pm 8.7
199478	0.48	37	\checkmark	Josafatsson & Snow (1987)	0.48	37 \pm 3.7
199579	0.36	82	\times	Herbig (1975)		
200775	0.57	41	\checkmark	Josafatsson & Snow (1987)	0.57	41 \pm 4.1

Table 24. Sources for the Equivalent Widths of the 5849/5850 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{5849/5850}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{5849/5850}$ (mÅ) This Work
2905	0.33	20	✓	Wszolek & Godlowski (2003)	0.33	21.28±1.50
2905	0.33	21.3±0.3	✓	Megier et al. (2005)		
2905	0.32	87	×	Herbig (1975)		
2905	0.33	22	✓	Herbig (1993)		
15558	0.75	51.00±3.75	✓	Desert et al. (1995)	0.75	51.00±3.75
16691	0.83	29.05±5.81	✓	Desert et al. (1995)	0.83	29.05±5.81
21291	0.42	25	✓	Wszolek & Godlowski (2003)	0.41	24.40±1.90
21291	0.42	38	×	Josafasson & Snow (1987)		
21291	0.42	33.0±3.3	×	Megier et al. (2005)		
21291	0.41	23	✓	Herbig (1975)		
21483	0.56	32	✓	Wszolek & Godlowski (2003)	0.56	32.00±3.20
23060	0.32	19.0	✓	Galazatdinov et al. (2004)	0.32	19.00±1.90
23060	0.34	10.88±1.02	×	Desert et al. (1995)		
27778	0.35	7	✓	Wszolek & Godlowski (2003)	0.35	7.00±0.70
30614	0.29	32	×	Josafasson & Snow (1987)	0.32	17.92±2.88
30614	0.26	7.6±0.6	×	Megier et al. (2005)		
30614	0.32	17.92±2.88	✓	Desert et al. (1995)		
+31643	0.85	39.95±3.40	✓	Desert et al. (1995)	0.85	39.95±3.40
34078	0.52	27	✓	Wszolek & Godlowski (2003)	0.51	27.56±2.37
34078	0.52	27	✓	Josafasson & Snow (1987)		
34078	0.49	28.0±1.7	✓	Megier et al. (2005)		
34078	0.52	19.76±2.6	×	Desert et al. (1995)		
36879	0.50	32.00±4.0	✓	Desert et al. (1995)	0.50	32.00±4.00
37367	0.43	37.84±5.59	✓	Desert et al. (1995)	0.42	35.80±4.55
37367	0.40	35	✓	Herbig (1993)		
37903	0.36	3	×	Josafasson & Snow (1987)		
37903	0.38	3.04±1.9	×	Desert et al. (1995)		
37903	0.35	6	✓	Herbig (1993)		
38087	0.24	6	✓	Josafasson & Snow (1987)	0.24	6.00±0.60
38131	0.51	31.11±4.08	✓	Desert et al. (1995)	0.51	31.11±4.08
41117	0.45	56	✓	Wszolek & Godlowski (2003)	0.44	56.00±3.75
41117	0.44	56.0±1.9	✓	Megier et al. (2005)		
42087	0.36	49	✓	Wszolek & Godlowski (2003)	0.36	38.92±3.15
42087	0.35	38.1±1.4	✓	Megier et al. (2005)		
47129	0.34	15	✓	Wszolek & Godlowski (2003)	0.34	15.49±1.35
47129	0.34	15.8±1.2	✓	Megier et al. (2005)		
53974	0.31	12	✓	Josafasson & Snow (1987)	0.31	12.00±1.20
+60497	0.89	70.31±7.12	✓	Desert et al. (1995)	0.89	70.31±7.12
+60594	0.62	56.0	✓	Galazatdinov et al. (2004)	0.62	56.00±5.60
122879	0.34	21.3±1.5	✓	Megier et al. (2005)	0.34	21.30±1.50
142096	0.19	3.3±0.4	✓	Megier et al. (2005)	0.19	3.30±0.40
143275	0.17	8±2	✓	Wszolek & Godlowski (2003)	0.15	7.57±1.40
143275	0.13	7.5	✓	Galazatdinov et al. (2004)		
144217	0.18	7±2	✓	Wszolek & Godlowski (2003)	0.18	9.00±1.50
144217	0.17	9.5	✓	Galazatdinov et al. (2004)		
144470	0.21	8±2	✓	Wszolek & Godlowski (2003)	0.20	7.63±1.30
144470	0.19	7.6±0.6	✓	Megier et al. (2005)		
144470	0.22	83	×	Herbig (1975)		
145502	0.25	13±2	✓	Wszolek & Godlowski (2003)	0.25	13.67±1.70
145502	0.25	14	✓	Josafasson & Snow (1987)		
147165	0.38	11±2	✓	Wszolek & Godlowski (2003)	0.36	9.96±1.25
147165	0.34	9.9±0.5	✓	Megier et al. (2005)		
147165	0.39	42	×	Herbig (1975)		
147889	1.08	77	✓	Wszolek & Godlowski (2003)	1.08	77.00±7.70
147889	1.08	132	×	Herbig (1975)		
147933	0.47	33	✓	Wszolek & Godlowski (2003)	0.46	28.80±2.70
147933	0.47	40	✓	Josafasson & Snow (1987)		
147933	0.45	28.1±0.8	✓	Megier et al. (2005)		
147933	0.47	80	×	Herbig (1975)		
149757	0.31	14±3	✓	Wszolek & Godlowski (2003)	0.30	15.34±1.90
149757	0.29	15.7	✓	Galazatdinov et al. (2004)		
149757	0.29	15.7±1.5	✓	Megier et al. (2005)		
149757	0.32	15	✓	Herbig (1993)		
154445	0.39	24	✓	Wszolek & Godlowski (2003)	0.39	22.81±2.25
154445	0.39	21.9±2.1	✓	Megier et al. (2005)		
154445	0.43	11.18±2.58	×	Desert et al. (1995)		

Table 24—Continued

HD/BD	$E(B - V)$ (mag)	$W_{5849/5850}$ (mÅ)	Adopt" $\sqrt{}$ " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{5849/5850}$ (mÅ) This Work
167971	1.05	67.4 \pm 4.3	\checkmark	Megier et al. (2005)	1.05	67.40 \pm 4.30
167971	1.08	112	\times	Herbig (1975)		
168076	0.80	43.20 \pm 7.2	\checkmark	Desert et al. (1995)	0.80	43.20 \pm 7.20
168112	1.04	56.16 \pm 10.4	\checkmark	Desert et al. (1995)	1.04	56.16 \pm 10.40
183143	1.27	73 \pm 5	\checkmark	Wszolek & Godlowski (2003)	1.27	72.67 \pm 6.10
183143	1.24	68.20 \pm 8.68	\times	Desert et al. (1995)		
183143	1.28	72	\checkmark	Herbig (1993)		
183143	1.27	67.8 \pm 1.0	\times	Hobbs et al. (2009)		
190603	0.72	35	\checkmark	Josafasson & Snow (1987)	0.72	37.29 \pm 2.85
190603	0.71	38.2 \pm 2.2	\checkmark	Megier et al. (2005)		
190603	0.94	25.38 \pm 2.82	\times	Desert et al. (1995)		
190603	0.71	66	\times	Herbig (1975)		
192281	0.73	40.15 \pm 4.38	\checkmark	Desert et al. (1995)	0.73	40.15 \pm 4.38
193322	0.41	21	\checkmark	Wszolek & Godlowski (2003)	0.41	21.48 \pm 2.15
193322	0.41	22	\checkmark	Herbig (1993)		
193682	0.83	35.69 \pm 4.15	\checkmark	Desert et al. (1995)	0.83	35.69 \pm 4.15
198478	0.54	37	\checkmark	Wszolek & Godlowski (2003)	0.54	43.94 \pm 2.50
198478	0.54	44.8 \pm 1.3	\checkmark	Megier et al. (2005)		
198478	0.53	112	\times	Herbig (1975)		
199216	0.73	46.72 \pm 3.65	\checkmark	Desert et al. (1995)	0.73	46.72 \pm 3.65
199478	0.48	28	\checkmark	Josafasson & Snow (1987)	0.48	28.00 \pm 2.80
199478	0.47	152	\times	Herbig (1975)		
199579	0.37	14	\checkmark	Wszolek & Godlowski (2003)	0.38	14.85 \pm 1.84
199579	0.35	28.4 \pm 1.2	\times	Megier et al. (2005)		
199579	0.38	17.10 \pm 2.28	\checkmark	Desert et al. (1995)		
199579	0.36	170	\times	Herbig (1975)		
200775	0.57	9	\checkmark	Josafasson & Snow (1987)	0.57	9.00 \pm 0.90
203938	0.66	47.0	\checkmark	Galazatdinov et al. (2004)	0.68	46.91 \pm 3.30
203938	0.70	46.9 \pm 1.9	\checkmark	Megier et al. (2005)		
204827	1.06	96.5	\checkmark	Galazatdinov et al. (2004)	1.09	95.61 \pm 5.60
204827	1.11	95.6 \pm 1.2	\checkmark	Hobbs et al. (2008)		
206165	0.47	33 \pm 3	\checkmark	Wszolek & Godlowski (2003)	0.47	37.61 \pm 2.47
206165	0.46	38.2 \pm 0.9	\checkmark	Megier et al. (2005)		
206165	0.48	35	\checkmark	Herbig (1993)		
206267	0.51	39 \pm 3	\checkmark	Wszolek & Godlowski (2003)	0.50	43.64 \pm 3.43
206267	0.49	45.0	\checkmark	Galazatdinov et al. (2004)		
206267	0.50	44.9 \pm 2.8	\checkmark	Megier et al. (2005)		
207198	0.56	71.5	\checkmark	Galazatdinov et al. (2004)	0.58	74.65 \pm 5.63
207198	0.59	73 \pm 4	\checkmark	Wszolek & Godlowski (2003)		
207198	0.54	77.5 \pm 7.1	\checkmark	Megier et al. (2005)		
207198	0.62	74	\checkmark	Herbig (1993)		
209339	0.37	28.12 \pm 1.11	\checkmark	Desert et al. (1995)	0.37	28.12 \pm 1.11
216532	0.87	49.59 \pm 5.22	\checkmark	Desert et al. (1995)	0.87	49.59 \pm 5.22
216898	0.88	64.24 \pm 7.04	\checkmark	Desert et al. (1995)	0.88	64.24 \pm 7.04
217086	0.92	51.5	\checkmark	Galazatdinov et al. (2004)	0.92	52.54 \pm 4.90
217086	0.92	53.36 \pm 4.6	\checkmark	Desert et al. (1995)		
239729	0.67	30.82 \pm 2.01	\checkmark	Desert et al. (1995)	0.67	30.82 \pm 2.01
242908	0.62	26.04 \pm 4.34	\checkmark	Desert et al. (1995)	0.62	26.04 \pm 4.34
+631964	0.96	120.3 \pm 4.3	\checkmark	Megier et al. (2005)	0.95	112.50 \pm 5.00
+631964	0.95	98.80 \pm 5.7	\checkmark	Desert et al. (1995)		

Table 25. Sources for the Equivalent Widths of the 6010 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6010} (mÅ)	Adopt" $\sqrt{}$ " or Reject" \times "	Sources	$E(B - V)$ This Work	W_{6010} (mÅ) This Work
2905	0.32	52.0	\checkmark	Herbig (1975)	0.32	52.0 \pm 5.2
21291	0.41	69.0	\checkmark	Herbig (1975)	0.41	69.0 \pm 6.9
34078	0.52	75.0	\checkmark	Herbig (1975)	0.52	75.0 \pm 7.5
167971	1.08	202.0	\checkmark	Herbig (1975)	1.08	202.0 \pm 20.2
183143	1.27	202.8 \pm 4.3	\checkmark	Hobbs et al. (2009)	1.27	202.8 \pm 4.3
190603	0.71	122.0	\checkmark	Herbig (1975)	0.71	122.0 \pm 12.2
198478	0.53	82.0	\checkmark	Herbig (1975)	0.53	82.0 \pm 8.2
199478	0.47	106.0	\checkmark	Herbig (1975)	0.47	106.0 \pm 10.6
199579	0.36	42.0	\checkmark	Herbig (1975)	0.36	42.0 \pm 4.2
204827	1.11	31.5 \pm 4.6	\times	Hobbs et al. (2008)		

Table 26. Sources for the Equivalent Widths of the 6065 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6065} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6065} (mÅ) This Work
144217	0.18	2±1	✓	Wszolek & Godlowski (2003)	0.18	2.00±1.00
144470	0.21	3±1	✓	Wszolek & Godlowski (2003)	0.21	3.00±1.00
145502	0.25	3±1	✓	Wszolek & Godlowski (2003)	0.25	3.00±1.00
147165	0.38	5±1	✓	Wszolek & Godlowski (2003)	0.38	5.00±1.00
183143	1.27	13±1	✓	Wszolek & Godlowski (2003)	1.27	13.66±0.80
183143	1.27	13.9±0.6	✓	Hobbs et al. (2009)		
204827	1.11	7.3±0.8	×	Hobbs et al. (2008)		
206165	0.47	7±1	✓	Wszolek & Godlowski (2003)	0.47	7.00±1.00
206267	0.51	5±1	×	Wszolek & Godlowski (2003)		
207198	0.59	8±2	✓	Wszolek & Godlowski (2003)	0.59	8.00±2.00

Table 27. Sources for the Equivalent Widths of the 6090 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6090} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6090} (mÅ) This Work
143275	0.17	2±1	✓	Wszolek & Godlowski (2003)	0.17	2.00±1.00
144217	0.18	2±1	✓	Wszolek & Godlowski (2003)	0.18	2.00±1.00
144470	0.21	5±1	✓	Wszolek & Godlowski (2003)	0.21	5.00±1.00
145502	0.25	6±1	✓	Wszolek & Godlowski (2003)	0.25	6.00±1.00
147165	0.38	6±1	✓	Wszolek & Godlowski (2003)	0.38	6.00±1.00
149757	0.31	5±3	✓	Wszolek & Godlowski (2003)	0.31	5.00±1.00
183143	1.27	26±2	✓	Wszolek & Godlowski (2003)	1.27	23.95±1.35
183143	1.27	23.7±0.7	✓	Hobbs et al. (2009)		
204827	1.11	28.0±0.6	✓	Hobbs et al. (2008)	1.11	28.00±0.60
206165	0.47	12±1	✓	Wszolek & Godlowski (2003)	0.47	12.00±1.00
206267	0.51	11±1	✓	Wszolek & Godlowski (2003)	0.51	11.00±1.00
207198	0.59	22±1	✓	Wszolek & Godlowski (2003)	0.59	22.00±1.00

Table 28. Sources for the Equivalent Widths of the 6113 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6113} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6113} (mÅ) This Work
21483	0.56	8.3±1	✓	Thorburn et al. (2003)	0.56	8.30±1.00
27778	0.37	4.5±1	✓	Thorburn et al. (2003)	0.37	4.50±1.00
29647	1.00	11.0±2.5	×	Thorburn et al. (2003)		
30614	0.30	6.4±1	✓	Thorburn et al. (2003)	0.30	6.40±1.00
34078	0.52	12.0±1	✓	Thorburn et al. (2003)	0.52	12.00±1.00
41117	0.45	16.0±1.5	✓	Thorburn et al. (2003)	0.45	16.00±1.50
42087	0.36	18.0±3	✓	Thorburn et al. (2003)	0.36	18.00±3.00
46202	0.49	18.0±2	✓	Thorburn et al. (2003)	0.49	18.00±2.00
48099	0.27	8.3±1	✓	Thorburn et al. (2003)	0.27	8.30±1.00
144217	0.18	2±2	✓	Wszolek & Godlowski (2003)	0.18	2.00±2.00
144470	0.21	2±1	×	Wszolek & Godlowski (2003)		
145502	0.25	2±1	×	Wszolek & Godlowski (2003)		
147165	0.38	4±3	✓	Wszolek & Godlowski (2003)	0.38	4.00±3.00
147888	0.47	5.5±1	✓	Thorburn et al. (2003)	0.47	5.50±1.00
147889	1.07	16.0±1	✓	Thorburn et al. (2003)	1.07	16.00±1.00
147933	0.48	3.5±1	×	Thorburn et al. (2003)		
149757	0.31	4±2	✓	Wszolek & Godlowski (2003)	0.31	3.36±1.30
149757	0.32	3.3±0.6	✓	Thorburn et al. (2003)		
167971	1.08	19.0±2	✓	Thorburn et al. (2003)	1.08	19.00±2.00
168076	0.78	27.0±4	✓	Thorburn et al. (2003)	0.78	27.00±4.00
183143	1.27	41.5±1.0	✓	Hobbs et al. (2009)	1.27	40.92±2.00
183143	1.27	39.0±2	✓	Thorburn et al. (2003)		
183143	1.27	40±3	✓	Wszolek & Godlowski (2003)		
185418	0.50	14.3±0.8	✓	Thorburn et al. (2003)	0.50	14.30±0.80
198478	0.54	12.3±1	✓	Thorburn et al. (2003)	0.54	12.30±1.00
199579	0.37	4.2±1	✓	Thorburn et al. (2003)	0.37	4.20±1.00
203938	0.74	14.0±1.5	✓	Thorburn et al. (2003)	0.74	14.00±1.50
204827	1.11	24.3±1.0	✓	Hobbs et al. (2008)	1.11	24.01±1.10
204827	1.11	23.6±1.2	✓	Thorburn et al. (2003)		
206165	0.47	13±1	✓	Wszolek & Godlowski (2003)	0.47	13.00±1.00
206267	0.51	14±1	✓	Wszolek & Godlowski (2003)	0.52	13.50±1.00
206267	0.53	13.0±1	✓	Thorburn et al. (2003)		
207198	0.59	16±2	✓	Wszolek & Godlowski (2003)	0.61	13.60±1.50
207198	0.62	13.0±1	✓	Thorburn et al. (2003)		
210121	0.40	2.2±0.7	×	Thorburn et al. (2003)		
+631964	1.00	41.0±2	✓	Thorburn et al. (2003)	1.00	41.00±2.00

Table 29. Sources for the Equivalent Widths of the 6195/6196 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6195/6196}$ (mÅ)	Adopt" ✓" or Reject" ×"	Sources	$E(B - V)$ This Work	$W_{6195/6196}$ (mÅ) This Work
2905	0.33	30.9±1.6	✓	McCall et al. (2010)	0.33	32.16±2.13
2905	0.32	59	×	Herbig (1975)		
2905	0.33	32.6±1.3	✓	Megier et al. (2005)		
2905	0.33	35±3.5	✓	Friedman et al. (2011)		
15558	0.75	44.3±3.0	✓	Désert et al. (1995)	0.75	44.30±3.00
21291	0.41	42	×	Herbig (1975)	0.43	25.05±1.60
21291	0.43	20.2	✓	Cox et al. (2007)		
21291	0.42	26.8±1.2	✓	Megier et al. (2005)		
21483	0.56	23.2±1.6	✓	McCall et al. (2010)	0.56	22.83±1.55
21483	0.56	22.5±1.5	✓	Friedman et al. (2011)		
27778	0.37	12.9±1	✓	McCall et al. (2010)	0.37	11.78±0.75
27778	0.37	11.5±0.5	✓	Friedman et al. (2011)		
29647	1.00	12.1±1.6	×	McCall et al. (2010)		
29647	1.00	9.7±1.6	×	Friedman et al. (2011)		
30614	0.30	16.1±1.0	✓	McCall et al. (2010)	0.30	16.56±1.38
30614	0.32	16.0±2.6	✓	Désert et al. (1995)		
30614	0.26	16.6±0.4	✓	Megier et al. (2005)		
30614	0.30	17.2±1.5	✓	Friedman et al. (2011)		
+31643	0.85	34.9±11.1	✓	Désert et al. (1995)	0.85	34.90±11.10
34078	0.52	25.4±2.2	✓	McCall et al. (2010)	0.52	23.13±1.93
34078	0.52	57	×	Herbig (1975)		
34078	0.49	15.9±1.1	×	Megier et al. (2005)		
34078	0.52	20.8±2.6	✓	Désert et al. (1995)		
34078	0.52	23±1	✓	Friedman et al. (2011)		
36879	0.50	29.0±3.5	✓	Désert et al. (1995)	0.50	29.00±3.50
37367	0.43	45.2±6.5	✓	Désert et al. (1995)	0.41	40.41±3.13
37367	0.40	41.5±1.9	✓	McCall et al. (2010)		
37367	0.40	40±1	✓	Friedman et al. (2011)		
37903	0.38	16.0±2.7	✓	Désert et al. (1995)	0.36	12.75±2.00
37903	0.35	13.1±1.8	✓	McCall et al. (2010)		
37903	0.35	11.5±1.5	✓	Friedman et al. (2011)		
38087	0.29	12.2±1.1	✓	McCall et al. (2010)	0.29	12.42±1.05
38087	0.29	12.6±1	✓	Friedman et al. (2011)		
38131	0.51	45.9±5.6	✓	Désert et al. (1995)	0.51	45.90±5.60
40893	0.46	39±1.5	✓	Friedman et al. (2011)	0.46	39.00±1.50
41117	0.45	41.3±0.9	✓	McCall et al. (2010)	0.45	41.57±0.90
41117	0.44	41.5±0.8	✓	Megier et al. (2005)		
41117	0.45	42±1	✓	Friedman et al. (2011)		
42087	0.35	31.1±1.8	✓	Megier et al. (2005)	0.36	30.50±1.43
42087	0.36	31.2±1.5	✓	McCall et al. (2010)		
42087	0.36	30±1	✓	Friedman et al. (2011)		
46056	0.50	34.7±2.1	✓	McCall et al. (2010)	0.50	32.91±1.80
46056	0.50	32±1.5	✓	Friedman et al. (2011)		
46202	0.49	36.5±2.0	✓	McCall et al. (2010)	0.49	36.04±2.50
46202	0.49	35±3	✓	Friedman et al. (2011)		
47129	0.36	22.8±1.3	✓	McCall et al. (2010)	0.36	23.31±1.40
47129	0.34	17.2±0.7	×	Megier et al. (2005)		
47129	0.36	24±1.5	✓	Friedman et al. (2011)		
48099	0.27	20.6±1.4	✓	McCall et al. (2010)	0.27	19.54±1.10
48099	0.27	19.2±0.8	✓	Friedman et al. (2011)		
+60497	0.89	57.9±5.3	✓	Désert et al. (1995)	0.89	57.90±5.30
122879	0.35	24.8	✓	Benvenuti & Porceddu (1989)	0.34	25.53±1.85
122879	0.34	25.7±1.2	✓	Megier et al. (2005)		
123008	0.63	47.3	✓	Benvenuti & Porceddu (1989)	0.63	47.30±4.70
142096	0.19	6.6±0.3	✓	Megier et al. (2005)	0.18	6.54±0.75
142096	0.17	5.6±1.2	✓	Vos et al. (2011)		
142165	0.14	4.0±1.2	✓	Vos et al. (2011)	0.14	4.00±1.20
142378	0.19	10.7±1.1	✓	Vos et al. (2011)	0.19	10.70±1.10
143018	0.05	2.5±0.8	✓	Friedman et al. (2011)	0.05	2.50±0.80
143275	0.17	7±1	✓	Wszolek & Godlowski (2003)	0.18	7.47±1.10
143275	0.17	7.8±0.8	✓	Friedman et al. (2011)		
143275	0.20	7.4±1.5	✓	Vos et al. (2011)		
143567	0.15	12.1±2.3	✓	Vos et al. (2011)	0.15	12.10±2.30
144217	0.19	14.6±1.6	✓	McCall et al. (2010)	0.19	13.14±1.07
144217	0.19	13±1	✓	Wszolek & Godlowski (2003)		
144217	0.19	13.2±0.8	✓	Friedman et al. (2011)		

Table 29—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6195/6196}$ (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{6195/6196}$ (mÅ) This Work
144217	0.19	12.7 \pm 0.9	\checkmark	Vos et al. (2011)		
144470	0.22	17.7 \pm 1.6	\checkmark	McCall et al. (2010)	0.21	16.03 \pm 1.30
144470	0.19	15.2 \pm 0.4	\checkmark	Megier et al. (2005)		
144470	0.19	18	\checkmark	Benvenuti & Porceddu (1989)		
144470	0.22	16 \pm 2	\checkmark	Wszolek & Godlowski (2003)		
144470	0.22	17 \pm 1	\checkmark	Friedman et al. (2011)		
144470	0.20	19.0 \pm 1.0	\checkmark	Vos et al. (2011)		
145502	0.24	17.0 \pm 1.3	\checkmark	McCall et al. (2010)	0.24	15.54 \pm 1.10
145502	0.24	14 \pm 1	\checkmark	Wszolek & Godlowski (2003)		
145502	0.24	16 \pm 1	\checkmark	Friedman et al. (2011)		
145502	0.25	15.8 \pm 1.1	\checkmark	Vos et al. (2011)		
145554	0.19	16.0 \pm 2.0	\checkmark	Vos et al. (2011)	0.19	16.00 \pm 2.00
146001	0.13	11.7 \pm 3.4	\checkmark	Vos et al. (2011)	0.13	11.70 \pm 3.40
146209	0.13	6.5 \pm 1.5	\checkmark	Vos et al. (2011)	0.13	6.50 \pm 1.50
146416	0.08	4.9 \pm 1.2	\checkmark	Vos et al. (2011)	0.08	4.90 \pm 1.20
147165	0.41	21.6 \pm 1.7	\checkmark	McCall et al. (2010)	0.39	16.52 \pm 1.34
147165	0.39	32	\times	Herbig (1975)		
147165	0.34	16.5 \pm 0.5	\checkmark	Megier et al. (2005)		
147165	0.41	18 \pm 2	\checkmark	Wszolek & Godlowski (2003)		
147165	0.41	15.2 \pm 0.7	\checkmark	Friedman et al. (2011)		
147165	0.36	18.6 \pm 1.8	\checkmark	Vos et al. (2011)		
147701	0.66	21.3 \pm 2.0	\checkmark	Vos et al. (2011)	0.66	21.30 \pm 2.00
147888	0.47	20.2 \pm 1.1	\checkmark	McCall et al. (2010)	0.46	19.53 \pm 2.03
147888	0.44	19 \pm 1	\checkmark	Friedman et al. (2011)		
147888	0.44	19.2 \pm 4.0	\checkmark	Vos et al. (2011)		
147889	1.08	79	\times	Herbig (1975)	1.07	45.71 \pm 1.85
147889	1.07	45.5 \pm 1.7	\checkmark	McCall et al. (2010)		
147889	1.07	46 \pm 2	\checkmark	Friedman et al. (2011)		
147889	0.99	39.9 \pm 2.8	\checkmark	Vos et al. (2011)		
147933	0.47	31	\times	Herbig (1975)	0.45	16.79 \pm 1.15
147933	0.48	17.1 \pm 1.6	\checkmark	McCall et al. (2010)		
147933	0.45	16.6 \pm 0.7	\checkmark	Megier et al. (2005)		
147933	0.48	17.1 \pm 1	\checkmark	Friedman et al. (2011)		
147933	0.40	16.7 \pm 1.3	\checkmark	Vos et al. (2011)		
149757	0.32	11.5 \pm 1.2	\checkmark	McCall et al. (2010)	0.31	10.90 \pm 0.93
149757	0.29	11.0 \pm 0.5	\checkmark	Megier et al. (2005)		
149757	0.32	11 \pm 1	\checkmark	Wszolek & Godlowski (2003)		
149757	0.32	10 \pm 1	\checkmark	Friedman et al. (2011)		
149757	0.32	7.7 \pm 0.8	\times	Vos et al. (2011)		
152233	0.45	23.9	\checkmark	Benvenuti & Porceddu (1989)	0.45	23.90 \pm 2.40
152247	0.44	21.1	\checkmark	Benvenuti & Porceddu (1989)	0.44	21.10 \pm 2.10
152248	0.45	22.1	\checkmark	Benvenuti & Porceddu (1989)	0.45	22.10 \pm 2.20
152249	0.46	22.1	\checkmark	Benvenuti & Porceddu (1989)	0.46	22.10 \pm 2.20
154445	0.43	17.2 \pm 3.0	\times	Désert et al. (1995)	0.39	24.10 \pm 1.40
154445	0.39	24.1 \pm 1.4	\checkmark	Megier et al. (2005)		
162978	0.35	18.6 \pm 1.7	\checkmark	McCall et al. (2010)	0.35	20.14 \pm 1.93
162978	0.35	21	\checkmark	Benvenuti & Porceddu (1989)		
162978	0.35	21.5 \pm 2	\checkmark	Friedman et al. (2011)		
164794	0.33	17.2	\checkmark	Benvenuti & Porceddu (1989)	0.33	17.20 \pm 1.70
165052	0.44	19.8	\checkmark	Benvenuti & Porceddu (1989)	0.44	19.80 \pm 2.00
167971	1.08	94	\times	Herbig (1975)	1.07	56.63 \pm 2.47
167971	1.08	55.9 \pm 1.1	\checkmark	McCall et al. (2010)		
167971	1.05	61.5 \pm 4.3	\checkmark	Megier et al. (2005)		
167971	1.08	58 \pm 2	\checkmark	Friedman et al. (2011)		
168076	0.78	61.4 \pm 1.7	\checkmark	McCall et al. (2010)	0.78	60.94 \pm 2.35
168076	0.80	39.2 \pm 3.2	\times	Désert et al. (1995)		
168076	0.81	46.2	\times	Benvenuti & Porceddu (1989)		
168076	0.78	59.5 \pm 3	\checkmark	Friedman et al. (2011)		
168112	1.04	44.7 \pm 6.2	\checkmark	Désert et al. (1995)	1.04	44.70 \pm 6.20
183143	1.24	95.5 \pm 1.2	\checkmark	Désert et al. (1995)	1.27	91.30 \pm 2.72
183143	1.27	90.2 \pm 1.2	\checkmark	McCall et al. (2010)		
183143	1.28	81.9 \pm 8.2	\checkmark	Cox et al. (2007)		
183143	1.27	90.4 \pm 0.7	\checkmark	Hobbs et al. (2009)		
183143	1.27	95 \pm 3	\checkmark	Wszolek & Godlowski (2003)		
183143	1.27	89 \pm 2	\checkmark	Friedman et al. (2011)		
185418	0.50	35.3 \pm 1.0	\checkmark	McCall et al. (2010)	0.50	35.15 \pm 1.00

Table 29—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6195/6196}$ (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{6195/6196}$ (mÅ) This Work
185418	0.50	35 \pm 1	\checkmark	Friedman et al. (2011)		
190603	0.71	77	\times	Herbig (1975)	0.82	32.85 \pm 2.70
190603	0.71	33.0 \pm 1.6	\checkmark	Megier et al. (2005)		
190603	0.94	32.0 \pm 3.8	\checkmark	Désert et al. (1995)		
192281	0.73	32.9 \pm 2.9	\checkmark	Désert et al. (1995)	0.73	32.90 \pm 2.90
193682	0.83	58.9 \pm 4.2	\checkmark	Désert et al. (1995)	0.83	58.90 \pm 4.20
197770	0.58	24.9 \pm 2.5	\checkmark	Cox et al. (2007)	0.58	24.90 \pm 2.50
198478	0.54	34.9 \pm 1.4	\checkmark	McCall et al. (2010)	0.54	33.75 \pm 1.75
198478	0.53	40	\times	Herbig (1975)		
198478	0.54	34.0	\checkmark	Cox et al. (2007)		
198478	0.54	33.6 \pm 0.7	\checkmark	Megier et al. (2005)		
198478	0.54	33.1 \pm 1.5	\checkmark	Friedman et al. (2011)		
199216	0.73	23.4 \pm 2.9	\checkmark	Désert et al. (1995)	0.73	23.40 \pm 2.90
199478	0.47	35	\checkmark	Herbig (1975)	0.47	35.00 \pm 3.50
199579	0.38	12.2 \pm 1.9	\times	Désert et al. (1995)	0.36	15.53 \pm 1.00
199579	0.37	15.8 \pm 1.0	\checkmark	McCall et al. (2010)		
199579	0.35	15.3 \pm 1.0	\checkmark	Megier et al. (2005)		
199579	0.37	15.5 \pm 1	\checkmark	Friedman et al. (2011)		
203938	0.70	36.1 \pm 1.6	\checkmark	Megier et al. (2005)	0.73	41.45 \pm 1.23
203938	0.74	43.3 \pm 1.1	\checkmark	McCall et al. (2010)		
203938	0.74	42 \pm 1	\checkmark	Friedman et al. (2011)		
204827	1.11	41.9 \pm 1.5	\checkmark	McCall et al. (2010)	1.11	39.11 \pm 1.03
204827	1.11	37.8 \pm 0.6	\checkmark	Hobbs et al. (2008)		
204827	1.11	41.5 \pm 1	\checkmark	Friedman et al. (2011)		
206165	0.47	27.4 \pm 1.6	\checkmark	McCall et al. (2010)	0.47	25.33 \pm 1.06
206165	0.46	24.2 \pm 0.6	\checkmark	Megier et al. (2005)		
206165	0.47	27 \pm 1	\checkmark	Wszolek & Godlowski (2003)		
206165	0.47	26 \pm 1	\checkmark	Friedman et al. (2011)		
206267	0.53	30.2 \pm 1.1	\checkmark	McCall et al. (2010)	0.52	28.15 \pm 0.90
206267	0.50	27.3 \pm 0.5	\checkmark	Megier et al. (2005)		
206267	0.53	29 \pm 1	\checkmark	Wszolek & Godlowski (2003)		
206267	0.53	29 \pm 1	\checkmark	Friedman et al. (2011)		
207198	0.54	34.5 \pm 1.2	\checkmark	Megier et al. (2005)	0.60	32.12 \pm 1.05
207198	0.62	31.7 \pm 1.0	\checkmark	McCall et al. (2010)		
207198	0.62	30 \pm 1	\checkmark	Friedman et al. (2011)		
207198	0.62	33 \pm 1	\checkmark	Wszolek & Godlowski (2003)		
209339	0.37	25.2 \pm 0.7	\checkmark	Désert et al. (1995)	0.37	25.20 \pm 0.70
210121	0.40	11.2 \pm 1.3	\checkmark	McCall et al. (2010)	0.40	9.80 \pm 1.00
210121	0.40	9.4 \pm 0.7	\checkmark	Friedman et al. (2011)		
216532	0.87	39.2 \pm 3.5	\checkmark	Désert et al. (1995)	0.87	39.20 \pm 3.50
216898	0.88	59.8 \pm 5.2	\checkmark	Désert et al. (1995)	0.88	59.80 \pm 6.20
217086	0.92	48.8 \pm 3.7	\checkmark	Désert et al. (1995)	0.92	48.80 \pm 3.70
239729	0.67	32.2 \pm 1.3	\checkmark	Désert et al. (1995)	0.67	32.20 \pm 1.30
303308	0.46	22.1 \pm 2.2	\checkmark	Benvenuti & Porceddu (1989)	0.46	22.10 \pm 2.20
+631964	1.00	89.6 \pm 2.2	\checkmark	McCall et al. (2010)	0.99	88.78 \pm 2.47
+631964	0.95	57.0 \pm 5.7	\times	Désert et al. (1995)		
+631964	0.96	78.8 \pm 3.2	\checkmark	Megier et al. (2005)		
+631964	1.00	92 \pm 2	\checkmark	Friedman et al. (2011)		

Table 30. Sources for the Equivalent Widths of the 6203(1) Å DIB. The EW data for the 6203 Å DIB appear to fall into two groups (i.e., “6203(1)” and “6203(2)”; see Figure 7a), each of which exhibits a different linearity with $E(B - V)$.

HD/BD	$E(B - V)$ (mag)	$W_{6203(1)}$ (mÅ)	Adopt”√” or Reject”×”	Sources	$E(B - V)$ This Work	$W_{6203(1)}$ (mÅ) This Work
2905	0.32	81.0	✓	Herbig (1975)	0.32	81.00±8.10
21291	0.41	177.0	✓	Herbig (1975)	0.41	177.00±17.70
21483	0.56	71.0±5	✓	Thorburn et al. (2003)	0.56	71.00±5.00
27778	0.37	34.0±3	✓	Thorburn et al. (2003)	0.37	34.00±3.00
29647	1.00	20.0±5	×	Thorburn et al. (2003)		
30614	0.30	63.7±6	✓	Thorburn et al. (2003)	0.30	63.70±6.00
34078	0.52	94.0	✓	Herbig (1975)	0.52	108.39±6.70
34078	0.52	111.0±4	✓	Thorburn et al. (2003)		
37903	0.35	56.6±6	✓	Thorburn et al. (2003)	0.35	56.60±6.00
41117	0.45	135.0±5	✓	Thorburn et al. (2003)	0.45	135.00±5.00
42087	0.36	115.0±4	✓	Thorburn et al. (2003)	0.36	115.00±4.00
46202	0.49	169.0±15	✓	Thorburn et al. (2003)	0.49	169.00±15.00
48099	0.27	90.0±5	✓	Thorburn et al. (2003)	0.27	90.00±5.00
122879	0.35	122.1	✓	Benvenuti & Porceddu (1989)	0.35	122.10±12.20
123008	0.63	258.3	✓	Benvenuti & Porceddu (1989)	0.63	258.30±25.80
144470	0.22	60.0	✓	Herbig (1975)	0.22	60.00±6.00
144470	0.22	93.1	×	Benvenuti & Porceddu (1989)		
147165	0.39	70.0	✓	Herbig (1975)	0.39	70.00±7.00
147888	0.47	56.0±5	✓	Thorburn et al. (2003)	0.47	56.00±5.00
147889	1.07	95.0±7	×	Thorburn et al. (2003)		
147889	1.08	128.0	×	Herbig (1975)		
147933	0.47	35.0	✓	Herbig (1975)	0.47	38.00±5.25
147933	0.48	50.0±7	✓	Thorburn et al. (2003)		
149757	0.32	36.0±5	✓	Thorburn et al. (2003)	0.32	36.00±5.00
152233	0.45	107.1	✓	Benvenuti & Porceddu (1989)	0.45	107.10±10.70
152247	0.44	101.2	✓	Benvenuti & Porceddu (1989)	0.44	101.20±10.10
152248	0.45	90.9	✓	Benvenuti & Porceddu (1989)	0.45	90.90±10.00
152249	0.46	115.9	✓	Benvenuti & Porceddu (1989)	0.46	115.90±11.60
162978	0.35	158.9	✓	Benvenuti & Porceddu (1989)	0.35	158.90±15.90
164794	0.33	77.9	✓	Benvenuti & Porceddu (1989)	0.33	77.90±7.80
165052	0.44	92.8	✓	Benvenuti & Porceddu (1989)	0.44	92.80±9.30
167971	1.08	241.0±10	✓	Thorburn et al. (2003)	1.08	250.06±24.15
167971	1.08	383.0	✓	Herbig (1975)		
168076	0.78	219.0±15	✓	Thorburn et al. (2003)	0.79	215.30±17.90
168076	0.81	208.2	✓	Benvenuti & Porceddu (1989)		
183143	1.27	350.0±11	✓	Thorburn et al. (2003)	1.27	350.00±11.00
185418	0.50	111.0±6	✓	Thorburn et al. (2003)	0.50	111.00±6.00
190603	0.71	264.0	✓	Herbig (1975)	0.71	264.00±26.40
198478	0.53	190.0	×	Herbig (1975)	0.54	130.00±7.00
198478	0.54	130.0±7	✓	Thorburn et al. (2003)		
199478	0.47	107.0	✓	Herbig (1975)	0.47	107.00±10.70
199579	0.36	40.0	✓	Herbig (1975)	0.37	50.40±3.00
199579	0.37	53.0±2	✓	Thorburn et al. (2003)		
203938	0.74	151.0±5	✓	Thorburn et al. (2003)	0.74	151.00±5.00
204827	1.11	116.0±4	×	Thorburn et al. (2003)		
206165	0.47	86.0±6	✓	Thorburn et al. (2003)	0.47	86.00±6.00
206267	0.53	103.0±5	✓	Thorburn et al. (2003)	0.53	103.00±5.00
207198	0.62	111.0±5	✓	Thorburn et al. (2003)	0.62	111.00±5.00
210121	0.40	27.5±4	✓	Thorburn et al. (2003)	0.40	27.50±4.00
303308	0.46	98.9	✓	Benvenuti & Porceddu (1989)	0.46	98.90±9.90
+631964	1.00	313.0±15	✓	Thorburn et al. (2003)	1.00	313.00±15.00

Table 31. Sources for the Equivalent Widths of the 6203(2) Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6203(2)}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6203(2)}$ (mÅ) This Work
2905	0.33	38.7±2.0	✓	Megier et al. (2005)	0.33	38.70±2.00
21291	0.42	48.1±3.1	✓	Megier et al. (2005)	0.42	48.10±3.10
30614	0.26	21.4±0.9	✓	Megier et al. (2005)	0.26	21.40±0.90
34078	0.49	27.9±2.7	✓	Megier et al. (2005)	0.49	27.90±2.70
41117	0.44	60.1±1.7	✓	Megier et al. (2005)	0.44	60.10±1.70
47129	0.34	32.2±2.1	✓	Megier et al. (2005)	0.34	32.20±2.10
122879	0.34	43.5±2.3	✓	Megier et al. (2005)	0.34	43.50±2.30
142096	0.19	14.5±1.4	✓	Megier et al. (2005)	0.19	14.50±1.40
143275	0.17	16±1	✓	Wszolek & Godlowski (2003)	0.17	16.00±1.60
144217	0.18	20±1	✓	Wszolek & Godlowski (2003)	0.18	20.00±2.00
144470	0.19	21.7±0.9	✓	Megier et al. (2005)	0.19	21.70±0.90
144470	0.21	38±2	×	Wszolek & Godlowski (2003)		
145502	0.25	28±3	✓	Wszolek & Godlowski (2003)	0.25	28.00±2.80
147165	0.34	18.9±0.8	×	Megier et al. (2005)	0.38	42.00±4.20
147165	0.38	42±5	✓	Wszolek & Godlowski (2003)		
147933	0.45	22.8±1.3	✓	Megier et al. (2005)	0.45	22.80±1.30
149757	0.29	14.5±0.8	✓	Megier et al. (2005)	0.30	15.08±1.30
149757	0.31	18±3	✓	Wszolek & Godlowski (2003)		
154445	0.39	35.6±3.2	✓	Megier et al. (2005)	0.39	35.60±3.20
167971	1.05	84.9±5.4	✓	Megier et al. (2005)	1.05	84.90±5.40
183143	1.27	250±10	✓	Wszolek & Godlowski (2003)	1.27	206.36±13.25
183143	1.27	206.2±1.5	✓	Hobbs et al. (2009)		
190603	0.71	82.8±3.7	✓	Megier et al. (2005)	0.71	82.80±3.70
198478	0.54	52.2±1.5	✓	Megier et al. (2005)	0.54	52.20±1.50
199579	0.35	26.1±1.9	✓	Megier et al. (2005)	0.35	26.10±1.90
203938	0.70	58.2±3.7	✓	Megier et al. (2005)	0.70	58.20±3.70
204827	1.11	51.7±1.7	×	Hobbs et al. (2008)		
206165	0.46	42.8±1.4	✓	Megier et al. (2005)	0.46	42.80±1.40
206165	0.47	60±4	×	Wszolek & Godlowski (2003)		
206267	0.50	44.2±1.5	✓	Megier et al. (2005)	0.50	44.20±1.50
206267	0.51	75±2	×	Wszolek & Godlowski (2003)		
207198	0.54	42.6±2.2	✓	Megier et al. (2005)	0.56	45.18±4.90
207198	0.59	76±3	✓	Wszolek & Godlowski (2003)		
+631964	0.96	159.3±7.0	✓	Megier et al. (2005)	0.96	159.30±7.00

Table 32. Sources for the Equivalent Widths of the 6204.4 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6204.4}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6204.4}$ (mÅ) This Work
2905	0.33	116±8	✓	Friedman et al. (2011)	0.33	116±8
21483	0.56	71±5	✓	Friedman et al. (2011)	0.56	71±5
27778	0.37	34±3	✓	Friedman et al. (2011)	0.37	34±3
29647	1.00	20±5	✓	Friedman et al. (2011)	1.00	20±5
30614	0.30	63.7±6	✓	Friedman et al. (2011)	0.30	63.7±6
34078	0.52	111±4	✓	Friedman et al. (2011)	0.52	111±4
37367	0.40	154±9	✓	Friedman et al. (2011)	0.40	154±9
37903	0.35	56.6±6	✓	Friedman et al. (2011)	0.35	56.6±6
38087	0.29	35±6	✓	Friedman et al. (2011)	0.29	35±6
40893	0.46	203±9	✓	Friedman et al. (2011)	0.46	203±9
41117	0.45	135±5	✓	Friedman et al. (2011)	0.45	135±5
42087	0.36	115±4	✓	Friedman et al. (2011)	0.36	115±4
46056	0.50	151±9	✓	Friedman et al. (2011)	0.50	151±9
46202	0.49	159±10	✓	Friedman et al. (2011)	0.49	159±10
47129	0.36	93±6	✓	Friedman et al. (2011)	0.36	93±6
48099	0.27	87±5	✓	Friedman et al. (2011)	0.27	87±5
143018	0.05	14±5	✓	Friedman et al. (2011)	0.05	14±5
143275	0.17	30±4	✓	Friedman et al. (2011)	0.17	30±4
144217	0.19	57.6±5	✓	Friedman et al. (2011)	0.19	57.6±5
144470	0.22	58±6	✓	Friedman et al. (2011)	0.22	58±6
145502	0.24	55±6	✓	Friedman et al. (2011)	0.24	55±6
147165	0.41	75±7	✓	Friedman et al. (2011)	0.41	75±7
147888	0.47	56±5	✓	Friedman et al. (2011)	0.47	56±5
147889	1.07	95±7	✓	Friedman et al. (2011)	1.07	95±7
147933	0.48	50±7	✓	Friedman et al. (2011)	0.48	50±7
149757	0.32	36±5	✓	Friedman et al. (2011)	0.32	36±5
162978	0.35	88±11	✓	Friedman et al. (2011)	0.35	88±11
167971	1.08	241±10	✓	Friedman et al. (2011)	1.08	241±10
168076	0.78	219±15	✓	Friedman et al. (2011)	0.78	219±15
183143	1.27	340±11	✓	Friedman et al. (2011)	1.27	340±11
185418	0.50	111±6	✓	Friedman et al. (2011)	0.50	111±6
198478	0.54	130±7	✓	Friedman et al. (2011)	0.54	130±7
199579	0.37	53±2	✓	Friedman et al. (2011)	0.37	53±2
203938	0.74	151±5	✓	Friedman et al. (2011)	0.74	151±5
204827	1.11	116±4	✓	Friedman et al. (2011)	1.11	116±4
206165	0.47	86±6	✓	Friedman et al. (2011)	0.47	86±6
206267	0.53	103±5	✓	Friedman et al. (2011)	0.53	103±5
207198	0.62	111±5	✓	Friedman et al. (2011)	0.62	111±5
210121	0.40	27.5±4	✓	Friedman et al. (2011)	0.40	27.5±4
+631964	1.00	313±15	✓	Friedman et al. (2011)	1.00	313±15

Table 33. Sources for the Equivalent Widths of the 6234 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6234} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6234} (mÅ) This Work
143275	0.17	3±1	✓	Wszolek & Godlowski (2003)	0.17	3.00±1.00
144217	0.18	5±1	✓	Wszolek & Godlowski (2003)	0.18	5.00±1.00
144470	0.21	6±1	✓	Wszolek & Godlowski (2003)	0.21	6.00±1.00
145502	0.25	7±1	✓	Wszolek & Godlowski (2003)	0.25	7.00±1.00
147165	0.38	9±1	✓	Wszolek & Godlowski (2003)	0.38	9.00±1.00
149757	0.31	4±1	✓	Wszolek & Godlowski (2003)	0.31	4.00±1.00
183143	1.27	24±2	✓	Wszolek & Godlowski (2003)	1.27	19.46±1.35
183143	1.27	18.9±0.7	✓	Hobbs et al. (2009)		
204827	1.11	25.3±1.1	✓	Hobbs et al. (2008)	1.11	25.30±1.10
206165	0.47	8±2	✓	Wszolek & Godlowski (2003)	0.47	8.00±2.00
206267	0.51	11±1	✓	Wszolek & Godlowski (2003)	0.51	11.00±1.00
207198	0.59	16±3	✓	Wszolek & Godlowski (2003)	0.59	16.00±3.00

Table 34. Sources for the Equivalent Widths of the 6269/6270 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6269/6270}$ (mÅ)	Adopt" ✓" or Reject" ×"	Sources	$E(B - V)$ This Work	$W_{6269/6270}$ (mÅ) This Work
2905	0.33	63.0±4.4	✓	Megier et al. (2005)	0.33	59.51±4.70
2905	0.33	55±5	✓	Snow et al. (2002)		
2905	0.32	174	×	Herbig (1975)		
15558	0.75	137.3±7.5	✓	Désert et al. (1995)	0.75	137.30±7.50
21291	0.41	115	×	Herbig (1975)	0.42	48.80±6.60
21291	0.42	48.8±6.6	✓	Megier et al. (2005)		
21483	0.56	59±8	✓	Thorburn et al. (2003)	0.56	59.00±8.00
29647	1.00	14.6±4	×	Thorburn et al. (2003)		
30614	0.26	12.1±1.1	×	Megier et al. (2005)	0.31	52.76±7.95
30614	0.32	63.0±9.9	✓	Désert et al. (1995)		
30614	0.30	49±6	✓	Thorburn et al. (2003)		
+31643	0.85	52.7±12.8	×	Désert et al. (1995)		
34078	0.52	172	×	Herbig (1975)	0.51	51.04±3.93
34078	0.52	56±3	✓	Thorburn et al. (2003)		
34078	0.52	57.2±6.8	✓	Désert et al. (1995)		
34078	0.49	48.3±2.0	✓	Megier et al. (2005)		
36879	0.50	73.0±9.0	✓	Désert et al. (1995)	0.50	73.00±9.00
37367	0.43	107.1±15.1	✓	Désert et al. (1995)	0.43	107.10±15.10
37903	0.38	33.1±5.3	✓	Désert et al. (1995)	0.37	25.64±5.15
37903	0.35	19±5	✓	Thorburn et al. (2003)		
38131	0.51	138.2±16.3	✓	Désert et al. (1995)	0.51	138.20±16.30
41117	0.44	62.5±2.4	✓	Megier et al. (2005)	0.44	62.50±2.40
41117	0.45	108±4	×	Thorburn et al. (2003)		
42087	0.36	64±4	✓	Thorburn et al. (2003)	0.36	64.00±4.00
46202	0.49	84±5	✓	Thorburn et al. (2003)	0.49	84.00±5.00
47129	0.34	36.4±2.5	✓	Megier et al. (2005)	0.34	36.40±2.50
48099	0.27	45±4	✓	Thorburn et al. (2003)	0.27	45.00±4.00
+60497	0.89	170.0±12.5	✓	Désert et al. (1995)	0.89	170.00±12.50
122879	0.34	56.4±4.6	✓	Megier et al. (2005)	0.34	56.40±4.60
122879	0.35	79.1	×	Benvenuti & Porceddu (1989)		
123008	0.63	115.3	✓	Benvenuti & Porceddu (1989)	0.63	115.30±11.50
142096	0.19	13.6±2.1	✓	Megier et al. (2005)	0.19	13.60±2.10
143275	0.17	10±3	✓	Wszolek & Godlowski (2003)	0.17	10.00±3.00
144217	0.19	28±5	✓	Wszolek & Godlowski (2003)	0.19	28.00±5.00
144470	0.19	20.7±0.8	✓	Megier et al. (2005)	0.20	21.40±1.73
144470	0.19	24	✓	Benvenuti & Porceddu (1989)		
144470	0.22	108	×	Herbig (1975)		
144470	0.22	24±2	✓	Wszolek & Godlowski (2003)		
145502	0.24	19±2	✓	Wszolek & Godlowski (2003)	0.24	19.00±2.00
147165	0.39	46	✓	Herbig (1975)	0.39	46.00±4.60
147165	0.34	14.0±1.1	×	Megier et al. (2005)		
147165	0.41	21±5	×	Wszolek & Godlowski (2003)		
147888	0.47	72±3	✓	Thorburn et al. (2003)	0.47	72.00±3.00
147888	0.47	20±4	×	Snow et al. (2002)		
147889	1.08	154	✓	Herbig (1975)	1.08	154.00±15.40
147889	1.07	56±3	×	Thorburn et al. (2003)		
147933	0.45	20.0±1.3	✓	Megier et al. (2005)	0.46	20.63±3.15
147933	0.48	30±5	✓	Thorburn et al. (2003)		
149757	0.29	13.1±1.0	✓	Megier et al. (2005)	0.31	15.55±1.00
149757	0.32	18±1	✓	Wszolek & Godlowski (2003)		
152233	0.45	59	✓	Benvenuti & Porceddu (1989)	0.45	59.00±5.90
152247	0.44	54.1	✓	Benvenuti & Porceddu (1989)	0.44	54.10±5.40
152248	0.45	50	✓	Benvenuti & Porceddu (1989)	0.45	50.00±5.00
152249	0.46	49.2	✓	Benvenuti & Porceddu (1989)	0.46	49.20±4.90
154445	0.39	38.2±4.7	✓	Megier et al. (2005)	0.41	42.89±8.60
154445	0.43	76.1±12.5	✓	Désert et al. (1995)		
162978	0.35	42	✓	Benvenuti & Porceddu (1989)	0.35	42.00±4.20
164794	0.33	41	✓	Benvenuti & Porceddu (1989)	0.33	41.00±4.10
165052	0.44	80.1	✓	Benvenuti & Porceddu (1989)	0.44	80.10±8.00
167971	1.08	246	×	Herbig (1975)	1.07	152.79±9.25
167971	1.05	166.2±10.5	✓	Megier et al. (2005)		
167971	1.08	145±8	✓	Thorburn et al. (2003)		
168076	0.81	109.4	✓	Benvenuti & Porceddu (1989)	0.80	121.17±10.17
168076	0.80	124.0±9.6	✓	Désert et al. (1995)		
168076	0.78	128±10	✓	Thorburn et al. (2003)		
168112	1.04	117.5±11.4	✓	Désert et al. (1995)	1.04	117.50±11.40

Table 34—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6269/6270}$ (mÅ)	Adopt”√” or Reject”×”	Sources	$E(B - V)$ This Work	$W_{6269/6270}$ (mÅ) This Work
183143	1.24	210.8±13.6	✓	Désert et al. (1995)	1.26	196.00±9.53
183143	1.27	268±10	×	Thorburn et al. (2003)		
183143	1.27	188±5	✓	Snow et al. (2002)		
183143	1.27	220±10	✓	Wszolek & Godlowski (2003)		
183143	1.27	256.4±1.4	×	Hobbs et al. (2009)		
185418	0.50	108±5	✓	Thorburn et al. (2003)	0.50	108.00±5.00
190603	0.71	191	✓	Herbig (1975)	0.71	76.05±12.20
190603	0.71	67.2±5.3	✓	Megier et al. (2005)		
190603	0.94	61.1±1.9	×	Désert et al. (1995)		
192281	0.73	73.0±7.3	✓	Désert et al. (1995)	0.73	73.00±7.30
193682	0.83	132.0±10.0	✓	Désert et al. (1995)	0.83	132.00±10.00
198478	0.53	190	×	Herbig (1975)	0.54	64.50±3.70
198478	0.54	94±7	✓	Thorburn et al. (2003)		
198478	0.54	64.4±0.4	✓	Megier et al. (2005)		
199216	0.73	67.2±3.7	✓	Désert et al. (1995)	0.73	67.20±3.70
199478	0.47	180	×	Herbig (1975)		
199579	0.38	42.2±5.7	×	Désert et al. (1995)	0.36	29.51±3.50
199579	0.36	30	✓	Herbig (1975)		
199579	0.37	28±4	✓	Thorburn et al. (2003)		
199579	0.35	30.0±3.5	✓	Megier et al. (2005)		
203938	0.70	75.1±5.9	✓	Megier et al. (2005)	0.72	79.83±4.95
203938	0.74	82±4	✓	Thorburn et al. (2003)		
204827	1.11	82±5	✓	Thorburn et al. (2003)	1.11	77.52±3.35
204827	1.11	77.0±1.7	✓	Hobbs et al. (2008)		
206165	0.47	57±5	✓	Thorburn et al. (2003)	0.47	59.77±5.50
206165	0.46	60.1±1.5	✓	Megier et al. (2005)		
206165	0.47	56±10	✓	Wszolek & Godlowski (2003)		
206267	0.50	72.9±4.1	✓	Megier et al. (2005)	0.52	73.39±4.37
206267	0.53	74±3	✓	Thorburn et al. (2003)		
206267	0.53	72±6	✓	Wszolek & Godlowski (2003)		
207198	0.62	58±3	✓	Thorburn et al. (2003)	0.59	55.47±4.70
207198	0.54	54.1±2.1	✓	Megier et al. (2005)		
207198	0.62	58±9	✓	Wszolek & Godlowski (2003)		
209339	0.37	69.9±1.9	✓	Désert et al. (1995)	0.37	69.90±1.90
210121	0.40	6±2	×	Thorburn et al. (2003)		
216532	0.87	148.8±13.9	✓	Désert et al. (1995)	0.87	148.80±13.90
216898	0.88	112.6±11.4	✓	Désert et al. (1995)	0.88	112.60±11.40
217086	0.92	131.6±7.4	✓	Désert et al. (1995)	0.92	131.60±7.40
239729	0.67	83.8±2.0	✓	Désert et al. (1995)	0.67	83.80±2.00
303308	0.46	99.8	✓	Benvenuti & Porceddu (1989)	0.46	99.80±10.00
+631964	1.00	135±4	✓	Thorburn et al. (2003)	0.98	134.12±5.95
+631964	0.96	130.7±7.9	✓	Megier et al. (2005)		
+631964	0.95	162.5±7.6	×	Désert et al. (1995)		

Table 35. Sources for the Equivalent Widths of the 6284(1) Å DIB. The EW data for the 6284 Å DIB appear to fall into two groups (i.e., “6284(1)” and “6284(2)”); see Figure 7b), each of which exhibits a different linearity with $E(B - V)$.

HD/BD	$E(B - V)$ (mag)	$W_{6284(1)}$ (mÅ)	Adopt”√” or Reject”×”	Sources	$E(B - V)$ This Work	$W_{6284(1)}$ (mÅ) This Work
2905	0.33	612±45	✓	Snow et al. (2002)	0.33	629.17±55.00
2905	0.33	665±65	✓	Friedman et al. (2011)		
15558	0.75	1407.0±75.0	✓	Désert et al. (1995)	0.75	1407.00±75.00
21483	0.56	397±45	✓	Friedman et al. (2011)	0.56	397.00±45.00
27778	0.37	170±50	✓	Friedman et al. (2011)	0.37	170.00±50.00
29647	1.00	95±25	×	Friedman et al. (2011)		
30614	0.30	360±60	✓	Friedman et al. (2011)	0.31	367.22±59.30
30614	0.32	374.1±58.6	✓	Désert et al. (1995)	0.85	746.30±34.00
+31643	0.85	746.3±34.0	✓	Désert et al. (1995)		
34078	0.52	646.9±74.9	✓	Désert et al. (1995)	0.52	646.90±74.90
34078	0.52	510±80	×	Friedman et al. (2011)		
36879	0.50	962.0±115.5	✓	Désert et al. (1995)	0.50	962.00±115.50
37367	0.40	1117±60	✓	Friedman et al. (2011)	0.42	1105.57±102.45
37367	0.43	1038.9±144.9	✓	Désert et al. (1995)		
37903	0.35	503±70	✓	Friedman et al. (2011)	0.35	503.00±70.00
37903	0.38	413.8±65.4	×	Désert et al. (1995)		
38087	0.29	325±45	✓	Friedman et al. (2011)	0.29	325.00±45.00
38131	0.51	1115.9±127.0	✓	Désert et al. (1995)	0.51	1115.90±127.00
40893	0.46	1030±75	✓	Friedman et al. (2011)	0.46	1030.00±75.00
41117	0.45	760±100	✓	Friedman et al. (2011)	0.45	760.00±100.00
42087	0.36	675±70	✓	Friedman et al. (2011)	0.36	675.00±70.00
46056	0.50	750±60	✓	Friedman et al. (2011)	0.50	750.00±60.00
46202	0.49	935±70	✓	Friedman et al. (2011)	0.49	935.00±70.00
47129	0.36	550±50	✓	Friedman et al. (2011)	0.36	550.00±50.00
48099	0.27	595±50	✓	Friedman et al. (2011)	0.27	595.00±50.00
+60497	0.89	1057.3±71.2	✓	Désert et al. (1995)	0.89	1057.30±71.20
122879	0.35	672	✓	Benvenuti & Porceddu (1989)	0.35	672.00±67.20
123008	0.63	1217.8	✓	Benvenuti & Porceddu (1989)	0.63	1217.80±121.80
142315	0.13	251.3±15.8	✓	Raimond et al. (2012)	0.13	251.30±15.80
143018	0.05	145±40	✓	Friedman et al. (2011)	0.05	145.00±40.00
143275	0.17	250±25	✓	Friedman et al. (2011)	0.17	250.00±25.00
144217	0.19	397±45	✓	Friedman et al. (2011)	0.19	397.00±45.00
144470	0.19	323	✓	Benvenuti & Porceddu (1989)	0.20	354.58±36.15
144470	0.22	403±40	✓	Friedman et al. (2011)		
145052	0.43	506.3±40	✓	Raimond et al. (2012)	0.24	421.00±40.00
145502	0.24	421±40	×	Friedman et al. (2011)		
146029	0.13	244.6±11.2	✓	Raimond et al. (2012)	0.13	244.60±11.20
147165	0.41	498±50	✓	Friedman et al. (2011)	0.41	498.00±50.00
147888	0.47	390±60	✓	Friedman et al. (2011)	0.47	407.31±50.00
147888	0.47	415±40	✓	Snow et al. (2002)		
147889	1.07	530±50	×	Friedman et al. (2011)		
147933	0.48	426±80	✓	Friedman et al. (2011)	0.48	426.00±80.00
149757	0.32	175±35	✓	Friedman et al. (2011)	0.32	175.00±35.00
152233	0.45	446.9	✓	Benvenuti & Porceddu (1989)	0.45	446.90±44.70
152247	0.44	356.8	✓	Benvenuti & Porceddu (1989)	0.44	356.80±35.70
152248	0.45	385.2	✓	Benvenuti & Porceddu (1989)	0.45	385.20±38.50
152249	0.46	523.9	✓	Benvenuti & Porceddu (1989)	0.46	523.90±52.40
154445	0.43	458.8±74.8	✓	Désert et al. (1995)	0.43	458.80±74.80
162978	0.35	399	✓	Benvenuti & Porceddu (1989)	0.35	447.75±49.95
162978	0.35	558±60	✓	Friedman et al. (2011)		
164794	0.33	352.1	✓	Benvenuti & Porceddu (1989)	0.33	352.10±35.20
165052	0.44	464.2	✓	Benvenuti & Porceddu (1989)	0.44	493.89±38.20
165052	0.43	506.3±30.0	✓	Raimond et al. (2012)		
167971	1.08	1450±200	✓	Friedman et al. (2011)	1.08	1450.00±200.00
168076	0.78	1090±150	✓	Friedman et al. (2011)	0.79	1106.21±116.60
168076	0.80	1111.2±83.2	✓	Désert et al. (1995)		
168076	0.81	899.1	×	Benvenuti & Porceddu (1989)		
168112	1.04	1335.4±115.4	✓	Désert et al. (1995)	1.04	1335.40±115.40
183143	1.24	1869.9±120.3	✓	Désert et al. (1995)	1.26	1884.53±53.63
183143	1.27	1854±60	✓	Snow et al. (2002)		
183143	1.27	1884.2±4.2	✓	Hobbs et al. (2009)		
183143	1.27	1910±30	✓	Friedman et al. (2011)		
185418	0.50	640±50	✓	Friedman et al. (2011)	0.50	640.00±50.00
190603	0.94	1270.9±27.3	✓	Désert et al. (1995)	0.94	1270.90±27.30
192281	0.73	773.1±74.5	✓	Désert et al. (1995)	0.73	773.10±74.50
193682	0.83	229.1±16.6	×	Désert et al. (1995)		

Table 35—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6284(1)}$ (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{6284(1)}$ (mÅ) This Work
198478	0.54	919±60	✓	Friedman et al. (2011)	0.54	919.00±60.00
199216	0.73	573.8±9.5	✓	Désert et al. (1995)	0.73	573.80±9.50
199579	0.37	315±50	✓	Friedman et al. (2011)	0.38	288.77±43.05
199579	0.38	275.1±36.1	✓	Désert et al. (1995)		
203938	0.74	936±60	✓	Friedman et al. (2011)	0.74	936.00±60.00
204827	1.11	459.7±6.9	×	Hobbs et al. (2008)		
204827	1.11	518±60	×	Friedman et al. (2011)		
206165	0.47	486±60	✓	Friedman et al. (2011)	0.47	486.00±60.00
206267	0.53	544±45	✓	Friedman et al. (2011)	0.53	544.00±45.00
207198	0.62	543±40	✓	Friedman et al. (2011)	0.62	543.00±40.00
209339	0.37	713.0±19.2	✓	Désert et al. (1995)	0.37	713.00±19.20
210121	0.40	146±50	✓	Friedman et al. (2011)	0.40	146.00±50.00
216532	0.87	1259.8±115.7	✓	Désert et al. (1995)	0.87	1259.80±115.70
216898	0.88	1223.2±125.0	✓	Désert et al. (1995)	0.88	1223.20±125.00
217086	0.92	1258.6±68.1	✓	Désert et al. (1995)	0.92	1258.60±68.10
239729	0.67	393.3±6.0	✓	Désert et al. (1995)	0.67	393.30±6.00
242908	0.62	1029.8±50.2	✓	Désert et al. (1995)	0.62	1029.80±50.20
303308	0.46	584.7	✓	Benvenuti & Porceddu (1989)	0.46	584.70±58.40
+631964	0.95	1535.2±34.2	×	Désert et al. (1995)	1.00	1380.00±200.00
+631964	1.00	1380±200	✓	Friedman et al. (2011)		

Table 36. Sources for the Equivalent Widths of the 6284(2) Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6284(2)}$ (mÅ)	Adopt" \checkmark " or Reject" \times "	Sources	$E(B - V)$ This Work	$W_{6284(2)}$ (mÅ) This Work
2905	0.33	301.0±11.0	✓	Megier et al. (2005)	0.32	290.41±17.50
2905	0.32	240	✓	Herbig (1975)		
21291	0.42	320.0±15.5	✓	Megier et al. (2005)	0.41	300.56±20.25
21291	0.41	250	✓	Herbig (1975)		
30614	0.26	125.0±5.3	✓	Megier et al. (2005)	0.26	125.00±5.30
34078	0.52	120	✓	Herbig (1975)	0.52	120.00±12.00
41117	0.44	323.8±6.6	✓	Megier et al. (2005)	0.44	323.80±6.60
47129	0.34	161.7±4.4	✓	Megier et al. (2005)	0.35	160.77±9.70
47129	0.36	150	✓	Seab & Snow (1984)		
48099	0.27	170	✓	Seab & Snow (1984)	0.27	170.00±17.00
48434	0.28	180	✓	Seab & Snow (1984)	0.28	180.00±18.00
122879	0.34	725.0±25.0	×	Megier et al. (2005)		
142096	0.19	308.0±14.0	✓	Megier et al. (2005)	0.19	308.00±14.00
144470	0.19	124.5±1.4	✓	Megier et al. (2005)	0.20	124.56±7.20
144470	0.22	130	✓	Herbig (1975)		
147165	0.34	142.6±2.1	✓	Megier et al. (2005)	0.34	142.60±2.10
147165	0.39	100	×	Herbig (1975)		
147889	1.08	90	×	Seab & Snow (1984)		
147889	1.08	90	×	Herbig (1975)		
147933	0.45	176.4±2.8	✓	Megier et al. (2005)	0.45	176.40±2.80
147933	0.46	110	×	Seab & Snow (1984)		
147933	0.47	66	×	Herbig (1975)		
149757	0.29	68.2±2.0	✓	Megier et al. (2005)	0.29	68.20±2.00
167971	1.05	650.5±19.6	✓	Megier et al. (2005)	1.07	651.27±42.80
167971	1.08	660	✓	Herbig (1975)		
183143	1.28	710	✓	Seab & Snow (1984)	1.28	710.00±71.00
190603	0.71	473.0±13.2	✓	Megier et al. (2005)	0.71	474.15±31.10
190603	0.71	490	✓	Herbig (1975)		
198478	0.54	394.0±4.9	✓	Megier et al. (2005)	0.53	383.01±12.45
198478	0.53	200	✓	Herbig (1975)		
199478	0.47	195	✓	Herbig (1975)	0.47	195.00±19.50
199579	0.35	73.2±3.0	✓	Megier et al. (2005)	0.36	74.27±6.20
199579	0.37	80	✓	Seab & Snow (1984)		
199579	0.36	76	✓	Herbig (1975)		
203938	0.70	337.4±7.8	✓	Megier et al. (2005)	0.70	337.40±7.80
206165	0.46	243.1±1.2	✓	Megier et al. (2005)	0.46	243.10±1.20
206267	0.50	199.2±4.6	✓	Megier et al. (2005)	0.50	199.20±4.60
207198	0.54	168.5±2.8	✓	Megier et al. (2005)	0.54	168.50±2.80
209339	0.36	220	✓	Seab & Snow (1984)	0.36	220.00±22.00
+631964	0.96	490.9±11.6	✓	Megier et al. (2005)	0.96	490.90±11.60

Table 37. Sources for the Equivalent Widths of the 6376 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6376} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6376} (mÅ) This Work
2905	0.32	67	×	Herbig (1975)	0.33	24.60±1.30
2905	0.33	24.6±1.3	✓	Megier et al. (2005)		
21291	0.42	15.5±2.4	✓	Megier et al. (2005)	0.42	15.50±2.40
21483	0.56	23±2	✓	Thorburn et al. (2003)	0.56	23.00±2.00
27778	0.37	7.5±1	✓	Thorburn et al. (2003)	0.37	7.50±1.00
29647	1.00	11.4±2	×	Thorburn et al. (2003)		
30614	0.30	14±1.5	✓	Thorburn et al. (2003)	0.28	10.26±1.25
30614	0.26	8.6±1	✓	Megier et al. (2005)		
34078	0.52	9±1	✓	Thorburn et al. (2003)	0.50	9.00±1.00
34078	0.49	9±1	✓	Megier et al. (2005)		
41117	0.45	29±1	✓	Thorburn et al. (2003)	0.44	29.05±1.40
41117	0.44	29.2±1.8	✓	Megier et al. (2005)		
42087	0.35	17.5±1.1	✓	Megier et al. (2005)	0.36	17.89±2.55
42087	0.36	23±4	✓	Thorburn et al. (2003)		
46202	0.49	27±3	✓	Thorburn et al. (2003)	0.49	27.00±3.00
47129	0.34	19.9±1.5	✓	Megier et al. (2005)	0.34	19.90±1.50
48099	0.27	12.8±1.5	✓	Thorburn et al. (2003)	0.27	12.80±1.50
122879	0.34	17.6±2.5	✓	Megier et al. (2005)	0.34	17.60±2.50
143275	0.17	4±1	✓	Wszolek & Godlowski (2003)	0.17	4.00±1.00
144217	0.19	4±1	✓	Wszolek & Godlowski (2003)	0.19	4.00±1.00
144470	0.19	7.4±0.5	✓	Megier et al. (2005)	0.20	7.92±0.75
144470	0.22	10±1	✓	Wszolek & Godlowski (2003)		
145502	0.24	10±1	✓	Wszolek & Godlowski (2003)	0.24	10.00±1.00
147165	0.34	9.5±0.5	✓	Megier et al. (2005)	0.38	9.80±0.75
147165	0.41	11±1	✓	Wszolek & Godlowski (2003)		
147888	0.47	21±1	✓	Thorburn et al. (2003)	0.47	21.00±1.00
147889	1.08	105	×	Herbig (1975)	1.07	64.00±2.00
147889	1.07	64±2	✓	Thorburn et al. (2003)		
147933	0.47	23	✓	Herbig (1975)	0.47	19.75±2.15
147933	0.45	11.6±0.8	×	Megier et al. (2005)		
147933	0.48	17.3±2	✓	Thorburn et al. (2003)		
149757	0.29	3.5±0.3	×	Megier et al. (2005)	0.32	12.50±1.00
149757	0.32	12.5±1	✓	Thorburn et al. (2003)		
149757	0.32	7±2	×	Wszolek & Godlowski (2003)		
154445	0.39	20.0±2.3	✓	Megier et al. (2005)	0.39	20.00±2.30
167971	1.08	87	✓	Herbig (1975)	1.08	41.41±5.35
167971	1.08	39±2	✓	Thorburn et al. (2003)		
168076	0.78	43±3	✓	Thorburn et al. (2003)	0.78	43.00±3.00
183143	1.27	58±2	✓	Thorburn et al. (2003)	1.27	62.33±3.00
183143	1.27	52±6	✓	Wszolek & Godlowski (2003)		
183143	1.27	63.7±1.0	✓	Hobbs et al. (2009)		
185418	0.50	29±2	✓	Thorburn et al. (2003)	0.50	29.00±2.00
190603	0.71	24.6±3.2	✓	Megier et al. (2005)	0.71	24.60±3.20
190603	0.71	118	×	Herbig (1975)		
198478	0.54	21.1±1.6	✓	Megier et al. (2005)	0.54	22.40±1.87
198478	0.54	22.6±1.5	✓	Thorburn et al. (2003)		
198478	0.53	25	✓	Herbig (1975)		
199478	0.47	25	✓	Herbig (1975)	0.47	25.00±2.50
199579	0.37	14.5±1	✓	Thorburn et al. (2003)	0.36	14.46±1.50
199579	0.36	40	×	Herbig (1975)		
199579	0.35	14.3±2	✓	Megier et al. (2005)		
203938	0.74	29±2	✓	Thorburn et al. (2003)	0.72	32.45±2.90
203938	0.70	44.9±3.8	✓	Megier et al. (2005)		
204827	1.11	45±2	✓	Thorburn et al. (2003)	1.11	44.69±1.55
204827	1.11	44.6±1.1	✓	Hobbs et al. (2008)		
206165	0.46	18.9±0.8	✓	Megier et al. (2005)	0.47	19.89±2.10
206165	0.47	23.2±1.5	✓	Thorburn et al. (2003)		
206165	0.47	21±4	✓	Wszolek & Godlowski (2003)		
206267	0.53	23±2	✓	Thorburn et al. (2003)	0.52	24.25±1.50
206267	0.50	25.5±1.5	✓	Megier et al. (2005)		
206267	0.53	24±1	✓	Wszolek & Godlowski (2003)		
207198	0.54	35.2±1.3	✓	Megier et al. (2005)	0.59	35.09±4.77
207198	0.62	35±2	✓	Thorburn et al. (2003)		
207198	0.62	30±11	✓	Wszolek & Godlowski (2003)		
210121	0.40	3.9±1	×	Thorburn et al. (2003)		
+631964	0.96	75.8±3.6	✓	Megier et al. (2005)	0.98	75.33±3.30

Table 37—Continued

HD/BD	$E(B - V)$ (mag)	W_{6376} (mÅ)	Adopt”√” or Reject”×”	Sources	$E(B - V)$ This Work	W_{6376} (mÅ) This Work
+631964	1.00	75 ± 3	√	Thorburn et al. (2003)		

Table 38. Sources for the Equivalent Widths of the 6379 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6379} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6379} (mÅ) This Work
2905	0.32	115	×	Herbig (1975)	0.33	50.20±0.90
2905	0.33	50.2±0.9	✓	Megier et al. (2005)		
15570	1.02	89.8±20.4	✓	Sonnentrucher et al. (1997)	1.02	89.80±20.40
21291	0.41	69	×	Herbig (1975)	0.43	29.07±2.60
21291	0.43	31.8	✓	Cox et al. (2007)		
21291	0.42	28.0±2.0	✓	Megier et al. (2005)		
21483	0.56	51.5±1	✓	Thorburn et al. (2003)	0.56	51.50±1.00
27778	0.33	20.1±1.0	✓	Sonnentrucher et al. (1997)	0.35	20.05±1.00
27778	0.37	20±1	✓	Thorburn et al. (2003)		
29647	1.03	14.4±3.1	×	Sonnentrucher et al. (1997)		
29647	1.00	18.5±1	×	Thorburn et al. (2003)		
30614	0.30	34.5±1	✓	Thorburn et al. (2003)	0.29	33.84±2.40
30614	0.32	34.9±5.1	✓	Sonnentrucher et al. (1997)		
30614	0.26	33.0±1.1	✓	Megier et al. (2005)		
34078	0.52	50	×	Herbig (1975)	0.50	17.40±1.00
34078	0.52	18±1	✓	Thorburn et al. (2003)		
34078	0.49	16.8±1.0	✓	Megier et al. (2005)		
37903	0.35	3.5±1	×	Thorburn et al. (2003)		
41117	0.45	136±5	×	Thorburn et al. (2003)		
42087	0.35	37.0±1.2	✓	Megier et al. (2005)	0.35	37.00±1.20
42087	0.36	68±3	×	Thorburn et al. (2003)		
46202	0.49	56±2	✓	Thorburn et al. (2003)	0.49	56.00±2.00
47129	0.34	30.0±1.2	✓	Megier et al. (2005)	0.34	30.00±1.20
48099	0.27	19.8±0.8	✓	Thorburn et al. (2003)	0.27	19.80±0.80
122879	0.34	23.0±2	✓	Megier et al. (2005)	0.34	23.00±2.00
142096	0.19	4.5±0.8	✓	Megier et al. (2005)	0.19	4.50±0.80
142378	0.19	6.9±1.8	✓	Vos et al. (2011)	0.19	6.90±1.80
143275	0.17	10±1	✓	Wszolek & Godlowski (2003)	0.19	10.71±1.25
143275	0.20	12.3±1.5	✓	Vos et al. (2011)		
143567	0.15	13.2±2.0	✓	Vos et al. (2011)	0.15	13.20±2.00
144217	0.19	14.1±1.1	✓	Sonnentrucher et al. (1997)	0.19	14.08±1.10
144217	0.19	13±1	✓	Wszolek & Godlowski (2003)		
144217	0.19	15.6±1.2	✓	Vos et al. (2011)		
144470	0.19	23.3±0.6	✓	Megier et al. (2005)	0.20	24.35±0.93
144470	0.22	26±1	✓	Wszolek & Godlowski (2003)		
144470	0.20	26.2±1.2	✓	Vos et al. (2011)		
145502	0.24	32.0±7.0	✓	Sonnentrucher et al. (1997)	0.24	32.37±3.40
145502	0.24	29±2	✓	Wszolek & Godlowski (2003)		
145502	0.25	33.6±1.2	✓	Vos et al. (2011)		
145554	0.19	24.5±1.8	✓	Vos et al. (2011)	0.19	24.50±1.80
147165	0.39	45	×	Herbig (1975)	0.37	20.32±1.47
147165	0.34	20.1±0.3	✓	Megier et al. (2005)		
147165	0.41	25±2	✓	Wszolek & Godlowski (2003)		
147165	0.36	25.7±2.1	✓	Vos et al. (2011)		
147701	0.66	51.3±1.7	✓	Vos et al. (2011)	0.66	51.30±1.70
147888	0.47	33±1	✓	Thorburn et al. (2003)	0.45	32.92±1.90
147888	0.44	32.3±2.8	✓	Vos et al. (2011)		
147889	1.08	124	×	Herbig (1975)	1.03	88.48±2.05
147889	1.07	93±2	✓	Thorburn et al. (2003)		
147889	0.99	83.5±2.1	✓	Vos et al. (2011)		
147933	0.47	62	×	Herbig (1975)	0.44	25.80±1.00
147933	0.45	25.9±1	✓	Megier et al. (2005)		
147933	0.48	28±1	✓	Thorburn et al. (2003)		
147933	0.40	23.5±1.0	✓	Vos et al. (2011)		
149757	0.32	20.2±2.2	✓	Sonnentrucher et al. (1997)	0.31	19.03±1.34
149757	0.29	18.7±0.5	✓	Megier et al. (2005)		
149757	0.32	20±1	✓	Thorburn et al. (2003)		
149757	0.32	20±2	✓	Wszolek & Godlowski (2003)		
149757	0.32	18.9±1.0	✓	Vos et al. (2011)		
154445	0.39	43.6±1.7	✓	Megier et al. (2005)	0.40	42.52±3.35
154445	0.42	33.2±5.0	✓	Sonnentrucher et al. (1997)		
167971	1.08	152	×	Herbig (1975)	1.07	84.02±2.50
167971	1.08	85±2	✓	Thorburn et al. (2003)		
167971	1.05	81.8±3	✓	Megier et al. (2005)		
168076	0.78	108±4	✓	Thorburn et al. (2003)	0.78	108.00±4.00
183143	1.28	116.5	✓	Cox et al. (2007)	1.27	106.04±5.74

Table 38—Continued

HD/BD	$E(B - V)$ (mag)	W_{6379} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6379} (mÅ) This Work
183143	1.28	116.5±6.4	✓	Sonnentrucher et al. (1997)		
183143	1.27	113±3	✓	Thorburn et al. (2003)		
183143	1.27	116±7	✓	Wszolek & Godlowski (2003)		
183143	1.27	105.4±0.7	✓	Hobbs et al. (2009)		
185418	0.50	71±2	✓	Thorburn et al. (2003)	0.50	71.00±2.00
190603	0.71	39.4±5.8	×	Megier et al. (2005)	0.72	87.80±3.60
190603	0.71	228	×	Herbig (1975)		
190603	0.72	87.8±3.6	✓	Sonnentrucher et al. (1997)		
197770	0.58	62.1	✓	Cox et al. (2007)	0.58	62.10±6.20
198478	0.54	99.9±5.9	✓	Sonnentrucher et al. (1997)	0.54	101.46±6.73
198478	0.54	82.1	✓	Cox et al. (2007)		
198478	0.54	46.2	×	Megier et al. (2005)		
198478	0.54	102±1.5	✓	Thorburn et al. (2003)		
198478	0.53	113	✓	Herbig (1975)		
199478	0.47	85	✓	Herbig (1975)	0.47	85.00±8.50
199579	0.37	19±2	✓	Thorburn et al. (2003)	0.36	18.06±1.70
199579	0.35	17.6±1.4	✓	Megier et al. (2005)		
203938	0.74	54±1	✓	Thorburn et al. (2003)	0.72	52.60±1.50
203938	0.70	47.0±2.0	✓	Megier et al. (2005)		
204827	1.11	96±1.5	✓	Thorburn et al. (2003)	1.11	95.14±1.15
204827	1.11	94.9±0.8	✓	Hobbs et al. (2008)		
206165	0.46	66.2±0.9	✓	Megier et al. (2005)	0.47	67.68±4.63
206165	0.47	61.1±13.6	✓	Sonnentrucher et al. (1997)		
206165	0.47	71.8±2	✓	Thorburn et al. (2003)		
206165	0.47	71±2	✓	Wszolek & Godlowski (2003)		
206267	0.53	40±2	✓	Thorburn et al. (2003)	0.52	36.93±1.63
206267	0.50	36.3±0.9	✓	Megier et al. (2005)		
206267	0.53	37±2	✓	Wszolek & Godlowski (2003)		
207198	0.54	73.7±0.8	✓	Megier et al. (2005)	0.59	74.23±1.93
207198	0.62	75±2	✓	Thorburn et al. (2003)		
207198	0.62	80±3	✓	Wszolek & Godlowski (2003)		
210121	0.40	15.5±1	✓	Thorburn et al. (2003)	0.40	15.50±1.00
+631964	0.96	168.0±2.6	✓	Megier et al. (2005)	0.98	171.00±2.80
+631964	1.00	175±3	✓	Thorburn et al. (2003)		

Table 39. Sources for the Equivalent Widths of the 6425/6426 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6425/6426}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6425/6426}$ (mÅ) This Work
21483	0.56	8±41.5	✓	Thorburn et al. (2003)	0.56	8.00±1.50
27778	0.37	3.5±1	×	Thorburn et al. (2003)		
29647	1.00	7.6±1.2	×	Thorburn et al. (2003)		
30614	0.30	4.9±0.7	✓	Thorburn et al. (2003)	0.30	4.90±0.70
34078	0.52	5±1	×	Thorburn et al. (2003)		
37903	0.35	4.3±1	✓	Thorburn et al. (2003)	0.35	4.30±1.00
41117	0.45	13±1	✓	Thorburn et al. (2003)	0.45	13.00±1.00
42087	0.36	10±1.5	✓	Thorburn et al. (2003)	0.36	10.00±1.50
46202	0.49	10±1.5	✓	Thorburn et al. (2003)	0.49	10.00±1.50
48099	0.27	7.3±0.8	✓	Thorburn et al. (2003)	0.27	7.30±0.80
143275	0.17	3±1	✓	Wszolek & Godlowski (2003)	0.17	3.00±1.00
144217	0.18	5±1	✓	Wszolek & Godlowski (2003)	0.18	5.00±1.00
144470	0.21	5±1	✓	Wszolek & Godlowski (2003)	0.21	5.00±1.00
145502	0.25	4±1	✓	Wszolek & Godlowski (2003)	0.25	4.00±1.00
147165	0.38	4±1	✓	Wszolek & Godlowski (2003)	0.38	4.00±1.00
147888	0.47	3±1	×	Thorburn et al. (2003)		
147889	1.07	7.5±1	×	Thorburn et al. (2003)		
147933	0.48	3±1	×	Thorburn et al. (2003)		
149757	0.31	3±1	×	Wszolek & Godlowski (2003)		
167971	1.08	17±1	✓	Thorburn et al. (2003)	1.08	17.00±1.00
168076	0.78	12.3±1.5	✓	Thorburn et al. (2003)	0.78	12.30±1.50
183143	1.27	25.8±0.7	✓	Hobbs et al. (2009)	1.27	25.72±1.23
183143	1.27	24±2	✓	Wszolek & Godlowski (2003)		
183143	1.27	26±1	✓	Thorburn et al. (2003)		
185418	0.50	14±1	✓	Thorburn et al. (2003)	0.50	14.00±1.00
198478	0.54	16.3±1.5	✓	Thorburn et al. (2003)	0.54	16.30±1.50
199579	0.37	5±1.5	✓	Thorburn et al. (2003)	0.37	5.00±1.50
203938	0.74	13±2	✓	Thorburn et al. (2003)	0.74	13.00±2.00
204827	1.11	16.5±1.1	✓	Hobbs et al. (2008)	1.11	16.17±0.95
204827	1.11	16±0.8	✓	Thorburn et al. (2003)		
206165	0.47	9±1	✓	Wszolek & Godlowski (2003)	0.47	9.48±1.50
206165	0.47	11.4±2	✓	Thorburn et al. (2003)		
206267	0.51	8±1	✓	Wszolek & Godlowski (2003)	0.52	11.00±1.00
206267	0.53	14±1	✓	Thorburn et al. (2003)		
207198	0.59	10±1	✓	Wszolek & Godlowski (2003)	0.61	12.00±1.00
207198	0.62	14±1	✓	Thorburn et al. (2003)		
+631964	1.00	22±1	✓	Thorburn et al. (2003)	1.00	22.00±1.00

Table 40. Sources for the Equivalent Widths of the 6439 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6439} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6439} (mÅ) This Work
144217	0.18	5±1	✓	Wszolek & Godlowski (2003)	0.18	5.00±1.00
144470	0.21	4±1	✓	Wszolek & Godlowski (2003)	0.21	4.00±1.00
145502	0.25	3±1	✓	Wszolek & Godlowski (2003)	0.25	3.00±1.00
147165	0.38	2±1	×	Wszolek & Godlowski (2003)		
149757	0.31	4±1	✓	Wszolek & Godlowski (2003)	0.31	4.00±1.0
183143	1.27	25±2	✓	Wszolek & Godlowski (2003)	1.27	26.64±1.40
183143	1.27	26.9±0.8	✓	Hobbs et al. (2009)		
204827	1.11	25.4±1.1	✓	Hobbs et al. (2008)	1.11	25.40±1.10
206165	0.47	10±2	✓	Wszolek & Godlowski (2003)	0.47	10.00±2.00
206267	0.51	12±1	✓	Wszolek & Godlowski (2003)	0.51	12.00±1.00
207198	0.59	16±1	✓	Wszolek & Godlowski (2003)	0.59	16.00±1.00

Table 41. Sources for the Equivalent Widths of the 6521 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6521} (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6521} (mÅ) This Work
144217	0.18	5±1	✓	Wszolek & Godlowski (2003)	0.18	5.00±1.00
144470	0.21	6±1	✓	Wszolek & Godlowski (2003)	0.21	6.00±1.00
145502	0.25	6±1	✓	Wszolek & Godlowski (2003)	0.25	6.00±1.00
147165	0.38	7±2	✓	Wszolek & Godlowski (2003)	0.38	7.00±2.00
149757	0.31	4±1	✓	Wszolek & Godlowski (2003)	0.31	4.00±1.00
183143	1.27	50±3	✓	Wszolek & Godlowski (2003)	1.27	50.53±2.05
183143	1.27	50.6±1.1	✓	Hobbs et al. (2009)		
204827	1.11	23.7±1.3	✓	Hobbs et al. (2008)	1.11	23.70±1.30
206165	0.47	12±2	✓	Wszolek & Godlowski (2003)	0.47	12.00±2.00
206267	0.51	18±1	✓	Wszolek & Godlowski (2003)	0.51	18.00±1.00
207198	0.59	32±1	✓	Wszolek & Godlowski (2003)	0.59	32.00±1.00

Table 42. Sources for the Equivalent Widths of the 6613/6614 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6613/6614}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6613/6614}$ (mÅ) This Work
2905	0.33	123±3	✓	Snow et al. (2002)	0.33	126.06±6.03
2905	0.33	131.1±2.9	✓	McCall et al. (2010)		
2905	0.33	123.6±2.0	✓	Megier et al. (2005)		
2905	0.33	130±4	✓	Friedman et al. (2011)		
2905	0.33	129.5±10.2	✓	Weselak et al. (2001)		
2905	0.32	141	✓	Herbig (1975)		
15570	1.02	253.98±10.2	✓	Sonnentrucker et al. (1997)	1.02	253.98±10.20
21291	0.42	84.0±3.0	✓	Megier et al. (2005)	0.43	83.88±5.65
21291	0.43	83.0	✓	Cox et al. (2007)		
21291	0.42	101.3±9.4	×	Weselak et al. (2001)		
21291	0.41	146	×	Herbig (1975)		
21483	0.56	90.7±4.3	✓	McCall et al. (2010)	0.56	89.79±4.15
21483	0.56	89±4	✓	Friedman et al. (2011)		
23060	0.32	88.5	✓	Galazutdinov et al. (2004)	0.32	88.50±8.80
27778	0.37	44±2	✓	Friedman et al. (2011)	0.37	43.88±1.80
27778	0.37	43.8±1.6	✓	McCall et al. (2010)		
27778	0.33	28.05±1.98	×	Sonnentrucker et al. (1997)		
29647	1.00	62.3±4.4	×	McCall et al. (2010)		
29647	1.00	57±2	×	Friedman et al. (2011)		
29647	1.03	51.50±2.06	✓	Sonnentrucker et al. (1997)		
30614	0.26	67.5±1.9	✓	Megier et al. (2005)	0.30	68.23±3.38
30614	0.30	74.9±3.4	✓	McCall et al. (2010)		
30614	0.30	71.5±5	✓	Friedman et al. (2011)		
30614	0.32	63.04±3.2	✓	Sonnentrucker et al. (1997)		
34078	0.52	61±2	✓	Friedman et al. (2011)	0.51	59.80±2.30
34078	0.49	58.1±1.6	✓	Megier et al. (2005)		
34078	0.52	63.8±3.3	✓	McCall et al. (2010)		
37367	0.40	144±4	✓	Friedman et al. (2011)	0.40	146.50±4.30
37367	0.40	149.8±4.6	✓	McCall et al. (2010)		
37903	0.35	37.7±3.2	✓	McCall et al. (2010)	0.35	37.04±3.60
37903	0.35	36±4	✓	Friedman et al. (2011)		
38087	0.29	54±3	✓	Friedman et al. (2011)	0.29	50.86±2.80
38087	0.29	48.5±2.6	✓	McCall et al. (2010)		
40893	0.46	151±4	✓	Friedman et al. (2011)	0.46	151.00±4.00
41117	0.44	160.0±1.7	✓	Megier et al. (2005)	0.44	158.55±5.05
41117	0.45	154±3	✓	Friedman et al. (2011)		
41117	0.45	158.8±4.2	✓	McCall et al. (2010)		
41117	0.44	157.0±11.3	✓	Weselak et al. (2001)		
42087	0.35	111.2±2.3	✓	Megier et al. (2005)	0.36	115.41±4.70
42087	0.36	115±3	✓	Friedman et al. (2011)		
42087	0.36	121.9±3.0	✓	McCall et al. (2010)		
42087	0.35	128.6±10.5	✓	Weselak et al. (2001)		
46056	0.50	137±4	✓	Friedman et al. (2011)	0.50	138.68±4.35
46056	0.50	141.0±4.7	✓	McCall et al. (2010)		
46202	0.49	136±3	✓	Friedman et al. (2011)	0.49	135.88±3.40
46202	0.49	135.7±3.8	✓	McCall et al. (2010)		
47129	0.36	100.6±4.6	✓	McCall et al. (2010)	0.35	78.48±3.30
47129	0.36	89±4	✓	Friedman et al. (2011)		
47129	0.34	75.6±1.3	✓	Megier et al. (2005)		
48099	0.27	78.8±3.0	✓	McCall et al. (2010)	0.27	78.25±2.50
48099	0.27	78±2	✓	Friedman et al. (2011)		
+60594	0.62	166	✓	Galazutdinov et al. (2004)	0.62	166.00±16.60
122879	0.34	120.0±4.6	✓	Megier et al. (2005)	0.34	120.00±4.60
142096	0.19	23.3±1.4	✓	Megier et al. (2005)	0.18	23.14±1.55
142096	0.17	22.9±1.7	✓	Vos et al. (2011)		
142165	0.14	14.3±1.7	✓	Vos et al. (2011)	0.14	14.30±1.70
142378	0.19	17.4±1.6	✓	Vos et al. (2011)	0.19	17.40±1.60
143018	0.11	10.5±2.0	✓	Vos et al. (2011)	0.08	10.25±2.00
143018	0.05	10±2	✓	Friedman et al. (2011)		
143275	0.20	20.3±1.2	✓	Vos et al. (2011)	0.18	21.41±1.73
143275	0.17	22±1	✓	Wszolek & Godlowski (2003)		
143275	0.17	23±3	✓	Friedman et al. (2011)		
143567	0.15	40.1±2.7	✓	Vos et al. (2011)	0.15	40.10±2.70
144217	0.17	44.5	✓	Galazutdinov et al. (2004)	0.19	43.15±2.97
144217	0.19	44.4±1.4	✓	Vos et al. (2011)		

Table 42—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6613/6614}$ (mÅ)	Adopt"√" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6613/6614}$ (mÅ) This Work
144217	0.19	52±2	×	Wszolek & Godlowski (2003)		
144217	0.19	40.9±3.0	✓	McCall et al. (2010)		
144217	0.19	42±3	✓	Friedman et al. (2011)		
144217	0.19	40.09±3.04	✓	Sonnentrucker et al. (1997)		
144217	0.17	53.8±5.6	×	Weselak et al. (2001)		
144470	0.19	63.4±1.3	✓	Megier et al. (2005)	0.21	61.51±4.24
144470	0.20	58.2±1.5	✓	Vos et al. (2011)		
144470	0.22	63.0±3.0	✓	McCall et al. (2010)		
144470	0.22	63±3	✓	Friedman et al. (2011)		
144470	0.22	61±2	✓	Wszolek & Godlowski (2003)		
144470	0.19	63.5±12.1	✓	Weselak et al. (2001)		
144470	0.22	68	✓	Herbig (1975)		
145502	0.24	62±3	✓	Wszolek & Godlowski (2003)	0.24	59.97±4.59
145502	0.24	69.4±3.5	✓	McCall et al. (2010)		
145502	0.24	63±3	✓	Friedman et al. (2011)		
145502	0.25	57.0±1.7	✓	Vos et al. (2011)		
145502	0.24	52.08±5.04	✓	Sonnentrucker et al. (1997)		
145502	0.25	61.1±11.3	✓	Weselak et al. (2001)		
145554	0.19	48.3±2.0	✓	Vos et al. (2011)	0.19	48.30±2.00
146001	0.13	17.7±3.3	✓	Vos et al. (2011)	0.13	17.70±3.30
146029	0.13	22.5±1.8	✓	Vos et al. (2011)	0.13	22.50±1.80
146416	0.08	19.7±1.8	✓	Vos et al. (2011)	0.08	19.70±1.80
147165	0.41	67.7±4.3	✓	McCall et al. (2010)	0.39	61.71±5.32
147165	0.41	60±5	✓	Wszolek & Godlowski (2003)		
147165	0.41	63±3	✓	Friedman et al. (2011)		
147165	0.34	60.9±1.2	✓	Megier et al. (2005)		
147165	0.36	62.5±11.5	✓	Weselak et al. (2001)		
147165	0.39	69	✓	Herbig (1975)		
147701	0.66	65.6±2.2	✓	Vos et al. (2011)	0.66	65.60±2.20
147888	0.44	62.0±4.3	×	Vos et al. (2011)	0.47	80.61±2.73
147888	0.47	82±2	✓	Friedman et al. (2011)		
147888	0.47	82 ±4	✓	Snow et al. (2002)		
147888	0.47	78.5±2.2	✓	McCall et al. (2010)		
147889	1.07	180 ±5	✓	Friedman et al. (2011)	1.04	172.05±3.97
147889	1.07	189.0±4.5	✓	McCall et al. (2010)		
147889	0.99	165.4±2.4	✓	Vos et al. (2011)		
147889	1.08	255	×	Herbig (1975)		
147933	0.48	68±5	✓	Friedman et al. (2011)	0.45	64.61±5.10
147933	0.45	64.6±1.7	✓	Megier et al. (2005)		
147933	0.40	62.9±1.8	✓	Vos et al. (2011)		
147933	0.48	70.7±4.2	✓	McCall et al. (2010)		
147933	0.44	73.4±12.8	✓	Weselak et al. (2001)		
147933	0.47	90	×	Herbig (1975)		
149757	0.29	40.5	✓	Galazutdinov et al. (2004)	0.31	42.12±3.63
149757	0.32	38.2±1.9	✓	McCall et al. (2010)		
149757	0.32	44±2	✓	Wszolek & Godlowski (2003)		
149757	0.32	41±3	✓	Friedman et al. (2011)		
149757	0.29	40.5±2.0	✓	Megier et al. (2005)		
149757	0.32	45.7±1.3	✓	Vos et al. (2011)		
149757	0.32	34.88±2.88	✓	Sonnentrucker et al. (1997)		
149757	0.29	42.9±12.0	✓	Weselak et al. (2001)		
154445	0.39	105.6±3.4	✓	Megier et al. (2005)	0.40	99.92±6.15
154445	0.42	94.92±2.94	✓	Sonnentrucker et al. (1997)		
154445	0.39	112.6±12.1	✓	Weselak et al. (2001)		
162978	0.35	74.3±7.2	✓	McCall et al. (2010)	0.35	67.35±6.10
162978	0.35	64±5	✓	Friedman et al. (2011)		
167971	1.08	220.7±6.0	✓	McCall et al. (2010)	1.07	221.29±9.73
167971	1.08	219±3	✓	Friedman et al. (2011)		
167971	1.05	233.0±6.8	✓	Megier et al. (2005)		
167971	1.08	231	✓	Herbig (1975)		
168076	0.78	221±6	✓	Friedman et al. (2011)	0.78	225.78±7.05
168076	0.78	234.5±8.1	✓	McCall et al. (2010)		
183143	1.27	350±5	✓	Wszolek & Godlowski (2003)	1.27	338.40±9.48
183143	1.28	368.6	✓	Cox et al. (2007)		
183143	1.27	334±6	✓	Snow et al. (2002)		
183143	1.27	332±4	✓	Friedman et al. (2011)		

Table 42—Continued

HD/BD	$E(B - V)$ (mag)	$W_{6613/6614}$ (mÅ)	Adopt”√” or Reject”×”	Sources	$E(B - V)$ This Work	$W_{6613/6614}$ (mÅ) This Work
183143	1.27	338.2±3.6	✓	McCall et al. (2010)		
183143	1.27	341.6±1.2	✓	Hobbs et al. (2009)		
183143	1.28	323.84±2.56	✓	Sonnentrucker et al. (1997)		
183143	1.28	353.0±6.7	✓	Weselak et al. (2001)		
185418	0.50	162.9±3.1	✓	McCall et al. (2010)	0.50	163.31±3.55
185418	0.50	164±4	✓	Friedman et al. (2011)		
190603	0.71	101.7±6.2	✓	Megier et al. (2005)	0.72	104.51±4.54
190603	0.72	105.12±2.88	✓	Sonnentrucker et al. (1997)		
190603	0.71	183	×	Herbig (1975)		
197770	0.58	114.3	✓	Cox et al. (2007)	0.58	114.30±11.40
198478	0.54	139±3	✓	Friedman et al. (2011)	0.54	136.11±6.66
198478	0.54	130.3±2.5	✓	Megier et al. (2005)		
198478	0.54	122	✓	Cox et al. (2007)		
198478	0.54	146.0±5.0	✓	McCall et al. (2010)		
198478	0.54	139.86±3.24	✓	Sonnentrucker et al. (1997)		
198478	0.54	132.7±6.3	✓	Weselak et al. (2001)		
198478	0.53	144	✓	Herbig (1975)		
199478	0.47	128	✓	Herbig (1975)	0.47	128.00±12.80
199579	0.35	47.7±2.1	✓	Megier et al. (2005)	0.36	56.48±3.55
199579	0.37	63±2	✓	Friedman et al. (2011)		
199579	0.37	59.5±3.7	✓	McCall et al. (2010)		
199579	0.34	62.2±6.4	✓	Weselak et al. (2001)		
199579	0.36	118	×	Herbig (1975)		
203938	0.74	147.3±6.0	✓	McCall et al. (2010)	0.71	141.92±6.65
203938	0.70	131.0±4.5	✓	Megier et al. (2005)		
203938	0.66	131	✓	Galazutdinov et al. (2004)		
203938	0.74	146±3	✓	Friedman et al. (2011)		
204827	1.11	165.1±1.4	✓	Hobbs et al. (2008)	1.10	166.57±6.48
204827	1.11	174.7±5.4	✓	McCall et al. (2010)		
204827	1.06	161	✓	Galazutdinov et al. (2004)		
204827	1.11	171±3	✓	Friedman et al. (2011)		
206165	0.47	111±3	✓	Friedman et al. (2011)	0.47	109.58±3.39
206165	0.47	119.5±3.9	✓	McCall et al. (2010)		
206165	0.46	108.8±1.4	✓	Megier et al. (2005)		
206165	0.47	106±2	✓	Wszolek & Godlowski (2003)		
206165	0.47	116.09±4.23	✓	Sonnentrucker et al. (1997)		
206165	0.46	113.6±5.8	✓	Weselak et al. (2001)		
206267	0.49	117	✓	Galazutdinov et al. (2004)	0.51	118.01±4.55
206267	0.50	117.0±1.1	✓	Megier et al. (2005)		
206267	0.53	120.9±4.3	✓	McCall et al. (2010)		
206267	0.53	126±3	✓	Friedman et al. (2011)		
206267	0.53	119±2	✓	Wszolek & Godlowski (2003)		
206267	0.50	105.9±5.2	✓	Weselak et al. (2001)		
207198	0.62	122±2	✓	Wszolek & Godlowski (2003)	0.59	122.45±5.03
207198	0.56	119	✓	Galazutdinov et al. (2004)		
207198	0.54	119.0±2.5	✓	Megier et al. (2005)		
207198	0.62	125±3	✓	Friedman et al. (2011)		
207198	0.62	133.8±5.1	✓	McCall et al. (2010)		
207198	0.56	121.4±5.7	✓	Weselak et al. (2001)		
210121	0.40	25±2	✓	Friedman et al. (2011)	0.40	26.54±2.10
210121	0.40	28.4±2.2	✓	McCall et al. (2010)		
217086	0.92	215	✓	Galazutdinov et al. (2004)	0.92	215.00±21.50
+631964	0.96	313.8±6.0	✓	Megier et al. (2005)	0.99	326.12±5.93
+631964	1.00	334.0±5.8	✓	McCall et al. (2010)		
+631964	1.00	330±6	✓	Friedman et al. (2011)		

Table 43. Sources for the Equivalent Widths of the 6660/6661 Å DIB.

HD/BD	$E(B - V)$ (mag)	$W_{6660/6661}$ (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	$W_{6660/6661}$ (mÅ) This Work
2905	0.33	22.8±2.1	✓	Megier et al. (2005)	0.33	22.80±2.10
30614	0.26	15.2±1.0	✓	Megier et al. (2005)	0.26	15.20±1.00
34078	0.49	8.0±1.0	✓	Megier et al. (2005)	0.49	8.00±1.00
41117	0.44	30.1±0.9	✓	Megier et al. (2005)	0.44	30.10±0.90
47129	0.34	11.4±0.8	✓	Megier et al. (2005)	0.34	11.40±0.80
122879	0.34	20.0±3.3	✓	Megier et al. (2005)	0.34	20.00±3.30
142096	0.19	3.1±0.5	✓	Megier et al. (2005)	0.19	3.10±0.50
143275	0.17	3±1	✓	Wszolek & Godlowski (2003)	0.17	3.00±1.00
144217	0.18	7±1	✓	Wszolek & Godlowski (2003)	0.18	7.00±1.00
144470	0.19	9.3±0.8	✓	Megier et al. (2005)	0.20	9.57±0.90
144470	0.21	10±1	✓	Wszolek & Godlowski (2003)		
145502	0.25	11±2	✓	Wszolek & Godlowski (2003)	0.25	11.00±2.00
147165	0.34	8.1±0.5	✓	Megier et al. (2005)	0.36	8.48±0.75
147165	0.38	10±1	✓	Wszolek & Godlowski (2003)		
147933	0.45	11.8±0.9	✓	Megier et al. (2005)	0.45	11.80±0.90
149757	0.29	4.2± 0.4	✓	Megier et al. (2005)	0.30	4.31±0.70
149757	0.31	5±1	✓	Wszolek & Godlowski (2003)		
154445	0.39	22.7±2.2	✓	Megier et al. (2005)	0.39	22.70±2.20
167971	1.05	34.5±3.0	✓	Megier et al. (2005)	1.05	34.50±3.00
183143	1.27	88±5	×	Wszolek & Godlowski (2003)	1.27	59.70±0.70
183143	1.27	59.7±0.7	✓	Hobbs et al. (2009)		
190603	0.71	13.4±1.1	✓	Megier et al. (2005)	0.71	15.18±2.80
190603	0.71	45	✓	Herbig (1975)		
198478	0.54	22.2±1.0	✓	Megier et al. (2005)	0.54	22.20±1.00
199579	0.35	6.3±1.1	✓	Megier et al. (2005)	0.35	6.30±1.10
203938	0.70	19.5±1.5	✓	Megier et al. (2005)	0.70	19.50±1.50
204827	1.11	33.0±0.9	✓	Hobbs et al. (2008)	1.11	33.00±0.90
206165	0.46	20.5±0.8	✓	Megier et al. (2005)	0.47	20.70±0.90
206165	0.47	21±1	✓	Wszolek & Godlowski (2003)		
206267	0.50	20.3±0.8	✓	Megier et al. (2005)	0.50	20.67±1.40
206267	0.51	23±2	✓	Wszolek & Godlowski (2003)		
207198	0.54	19.8±0.8	✓	Megier et al. (2005)	0.56	20.10±1.40
207198	0.59	22±2	✓	Wszolek & Godlowski (2003)		
+631964	0.96	46.3±4.0	✓	Megier et al. (2005)	0.96	46.30±4.00

Table 44. Sources for the Equivalent Widths of the 6699 Å DIB.

HD/BD	$E(B - V)$ (mag)	W_{6699} (mÅ)	Adopt"✓" or Reject"×"	Sources	$E(B - V)$ This Work	W_{6699} (mÅ) This Work
143275	0.17	4±2	✓	Wszolek & Godlowski (2003)	0.17	4.00±2.00
144217	0.18	9±3	✓	Wszolek & Godlowski (2003)	0.18	9.00±3.00
144470	0.21	8±2	✓	Wszolek & Godlowski (2003)	0.21	8.00±2.00
145502	0.25	11±2	✓	Wszolek & Godlowski (2003)	0.25	11.00±2.00
147165	0.38	8±2	✓	Wszolek & Godlowski (2003)	0.38	8.00±2.00
149757	0.31	5±2	✓	Wszolek & Godlowski (2003)	0.31	5.00±2.00
183143	1.27	53±2	✓	Wszolek & Godlowski (2003)	1.27	44.93±1.45
183143	1.27	43.3±0.9	✓	Hobbs et al. (2009)		
204827	1.11	21.6±0.9	✓	Hobbs et al. (2008)		21.60±0.90
206165	0.47	14±2	✓	Wszolek & Godlowski (2003)	0.47	14.00±2.00
206267	0.51	13±2	✓	Wszolek & Godlowski (2003)	0.51	13.00±2.00
207198	0.59	15±3	✓	Wszolek & Godlowski (2003)	0.59	15.00±3.00

Table 45. Correlation Coefficients (Pearson r or Kendall τ and p) of the FUV Extinction and the 2175 Å Bump with DIBs.

	$A_{\text{FUV}}^{\text{int}}/E(B-V)$			$E(1300-1700)/E(B-V)$			$(AJ)_{\text{FUV}}^{\text{int}}/E(B-V)$			$A_{\text{bump}}^{\text{int}}/E(B-V)$			$(AJ)_{\text{FUV}}^{\text{atten}}$		
	r	τ	p	r	τ	p	r	τ	p	r	τ	p	r	τ	p
$W_{4428/4430}/E(B-V)$	-0.69	-0.435	0.110	-0.68	-0.444	0.095	-0.60	-0.389	0.144	-0.24	-0.203	0.458	-0.19	-0.056	0.835
$W_{4501}/E(B-V)$	0.84	0.552	0.126	0.94	0.733	0.039	0.94	0.867	0.015	-0.25	-0.358	0.330	0.46	-0.200	0.573
$W_{4726}/E(B-V)$	-0.21	-0.138	0.702	-0.40	-0.600	0.091	-0.49	-0.467	0.188	0.38	0.276	0.444	-0.35	-0.200	0.573
$W_{4762/4763}/E(B-V)$	-0.09	0.064	0.656	0.02	0.080	0.575	-0.01	0.120	0.400	-0.15	-0.088	0.542	-0.35	-0.243	0.095
$W_{5487}/E(B-V)$	-0.40	-0.191	0.096	-0.37	-0.181	0.110	-0.41	-0.216	0.056	0.22	0.124	0.284	-0.28	-0.153	0.185
$W_{5544}/E(B-V)$	0.10	0.087	0.536	0.14	0.120	0.390	0.09	0.095	0.494	0.04	0.050	0.723	-0.36	-0.110	0.438
$W_{5705}/E(B-V)$	-0.21	-0.113	0.320	-0.15	-0.084	0.453	-0.20	-0.132	0.236	0.18	0.100	0.382	-0.09	-0.066	0.560
$W_{5707}/E(B-V)$	-0.41	-0.312	0.026	-0.24	-0.186	0.175	-0.05	-0.023	0.868	0.22	0.206	0.142	0.32	0.147	0.294
$W_{5763}/E(B-V)$	0.16	0.028	0.917	0.11	0.056	0.835	0.11	0.167	0.532	-0.16	-0.229	0.399	-0.44	-0.141	0.600
$W_{5766}/E(B-V)$	0.06	0.038	0.820	0.09	0.021	0.897	0.09	0.032	0.846	-0.17	-0.048	0.769	0.39	0.280	0.090
$W_{5773}/E(B-V)$	-0.39	-0.242	0.170	-0.34	-0.223	0.197	-0.30	-0.170	0.324	0.11	0.187	0.286	0.26	0.141	0.423
$W_{5776}/E(B-V)$	-0.47	-0.303	0.111	-0.40	-0.295	0.114	-0.43	-0.262	0.161	0.14	0.345	0.069	0.15	0.121	0.525
$W_{5778}/E(B-V)$	-0.29	-0.185	0.408	-0.10	-0.091	0.681	-0.07	-0.061	0.784	-0.37	-0.140	0.534	0.17	0.202	0.369
$W_{5780}/E(B-V)$	-0.42	-0.267	0.000	-0.36	-0.193	0.006	-0.34	-0.169	0.016	0.09	0.085	0.236	-0.18	-0.056	0.432
$W_{5793}/E(B-V)$	0.52	0.416	0.050	0.38	0.282	0.180	0.25	0.205	0.329	0.05	-0.078	0.713	-0.44	-0.358	0.096
$W_{5795}/E(B-V)$	-0.44	-0.254	0.175	-0.33	-0.150	0.418	-0.25	-0.150	0.418	0.04	-0.060	0.751	0.34	0.171	0.365
$W_{5797}/E(B-V)$	0.21	0.226	0.002	0.25	0.241	0.001	0.22	0.243	0.001	0.11	0.012	0.875	0.00	0.042	0.569
$W_{5809}/E(B-V)$	0.19	0.080	0.711	0.07	-0.077	0.714	0.01	-0.128	0.542	0.65	0.400	0.064	-0.19	-0.013	0.951
$W_{5819}/E(B-V)$	0.32	0.293	0.362	0.40	0.488	0.129	0.56	0.586	0.068	0.02	0.000	1.000	0.69	0.098	0.761
$W_{5829}/E(B-V)$	0.47	0.308	0.103	0.41	0.226	0.224	0.39	0.226	0.224	0.06	0.128	0.497	-0.11	0.017	0.928
$W_{5844}/E(B-V)$	0.27	0.276	0.277	-0.06	-0.067	0.788	-0.30	-0.289	0.245	0.03	-0.230	0.365	-0.25	-0.114	0.652
$W_{5849/5850}/E(B-V)$	0.35	0.151	0.108	0.35	0.145	0.115	0.20	0.061	0.511	0.12	0.028	0.766	-0.12	-0.035	0.712
$W_{6010}/E(B-V)$	-0.26	-0.145	0.596	-0.33	-0.167	0.532	-0.24	-0.222	0.404	0.41	0.155	0.582	-0.12	-0.056	0.835
$W_{6065}/E(B-V)$	0.51	0.195	0.543	0.53	0.333	0.293	0.62	0.619	0.051	-0.45	-0.293	0.362	-0.43	-0.333	0.293
$W_{6090}/E(B-V)$	0.52	0.463	0.050	0.52	0.564	0.016	0.51	0.455	0.052	0.02	0.093	0.695	0.16	0.130	0.583
$W_{6113}/E(B-V)$	0.13	0.067	0.640	0.16	0.100	0.484	0.14	0.107	0.455	0.03	0.031	0.833	-0.26	-0.095	0.512
$W_{6195/6196}/E(B-V)$	-0.25	-0.127	0.112	-0.19	-0.075	0.339	-0.19	-0.080	0.309	0.17	0.160	0.046	-0.23	-0.142	0.076
$W_{6203(1)}/E(B-V)$	-0.28	-0.137	0.220	-0.22	-0.114	0.300	-0.21	-0.145	0.188	0.01	0.032	0.779	-0.21	-0.155	0.167
$W_{6203(2)}/E(B-V)$	-0.10	-0.076	0.595	-0.05	-0.003	0.982	-0.08	-0.015	0.912	0.03	0.045	0.756	-0.11	-0.063	0.658
$W_{6204.5}/E(B-V)$	-0.31	-0.146	0.191	-0.24	-0.132	0.230	-0.28	-0.127	0.249	0.17	0.071	0.528	-0.18	-0.096	0.393
$W_{6234}/E(B-V)$	-0.30	-0.241	0.309	-0.25	-0.127	0.586	-0.19	-0.091	0.697	0.15	0.241	0.309	0.25	0.093	0.695
$W_{6269/6270}/E(B-V)$	-0.21	-0.160	0.080	-0.17	-0.121	0.178	-0.17	-0.114	0.202	0.22	0.085	0.355	-0.10	-0.063	0.491
$W_{6284(1)}/E(B-V)$	-0.40	-0.232	0.008	-0.32	-0.187	0.029	-0.34	-0.185	0.031	0.03	-0.004	0.963	-0.08	-0.077	0.383
$W_{6284(2)}/E(B-V)$	-0.39	-0.163	0.261	-0.36	-0.097	0.498	-0.35	-0.073	0.607	-0.33	-0.149	0.311	0.02	-0.014	0.925
$W_{6376}/E(B-V)$	0.02	-0.008	0.946	0.05	-0.016	0.892	0.04	0.019	0.870	0.11	0.135	0.256	-0.09	-0.066	0.576
$W_{6379}/E(B-V)$	-0.09	0.006	0.958	-0.07	-0.001	0.992	-0.12	-0.017	0.875	0.18	0.136	0.208	-0.23	-0.150	0.163
$W_{6425/6426}/E(B-V)$	0.01	-0.026	0.862	-0.03	-0.036	0.804	-0.05	-0.018	0.901	0.58	0.427	0.004	-0.27	-0.184	0.214
$W_{6439}/E(B-V)$	0.19	0.114	0.673	0.20	0.111	0.677	0.17	0.111	0.677	-0.40	-0.343	0.206	-0.13	0.000	1.000
$W_{6521}/E(B-V)$	0.20	0.068	0.787	0.14	0.067	0.788	0.02	-0.067	0.788	0.17	0.205	0.417	-0.36	-0.205	0.417
$W_{6613/6614}/E(B-V)$	-0.18	-0.051	0.581	-0.12	-0.005	0.952	-0.12	-0.022	0.809	0.33	0.258	0.005	-0.15	-0.096	0.297
$W_{6660/6661}/E(B-V)$	-0.07	-0.051	0.723	-0.02	-0.003	0.982	-0.05	-0.046	0.741	0.18	0.175	0.223	-0.08	-0.088	0.536
$W_{6699}/E(B-V)$	-0.61	-0.426	0.072	-0.57	-0.309	0.186	-0.57	-0.273	0.243	0.58	0.500	0.034	0.07	0.056	0.814